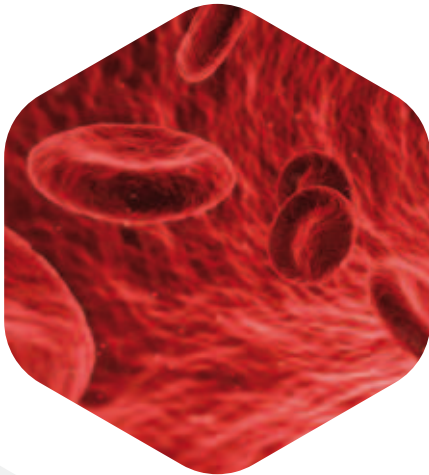


2019



INSTAND

Program

of External Quality Assessment
Schemes in Medical Laboratories

INSTAND
Gesellschaft zur Förderung
der Qualitätssicherung
in medizinischen Laboratorien e. V.

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Vice chairman of INSTAND e. V.

PREFACE

INSTAND e. V. is an interdisciplinary, non-profit, scientific medical society. In its capacity, it has been performing external quality assessment tests in the field of hematology since 1968 and in all other fields of in vitro diagnostics since 1970. INSTAND and its 30 employees in the headquarters offer more than 350 EQA tests for external quality assurance in laboratory diagnostics. These tests are adapted to the current regulations of the German Medical Association (Rili-BÄK). For this purpose, we send 160,000 samples per year to around 12,000 laboratories participating in our EQA tests.

The parameters requiring participation according to the regulations of the German Medical Association (B 1, B 2, B 3 and B 5) can be found in our programme on pages 10–14. These are highlighted in orange in our EQA section. The entire content of the guidelines of the German Medical Association is available at www.baek.de.

Our newly developed RV-Online-System has already proved itself and allows you a clear and user-friendly execution of the online order and value entry <https://rv-online.instandev.de/>. This saves you an additional registration in paper form. Evaluation documents are already available for download for many EQAS via our new system.

The following tests will be added to the program in 2019:

- Group 426: Mycobacteriology 06 – Molecular Drug Susceptibility Testing
- Group 430: Virus Genome Detection – Gastrointestinal Virus Panel for Multiplex Tests
- Group 431: Virus Genome Detection – Respiratory Virus Panel for Multiplex Tests
- Group 505: Haemostasis 32 - Edoxaban
- Group 509: Haemostasis 31 - ROTEM Sigma
- Group 547: Bacterial Genome Detection – Urogenital Panel
- Group 653: Immunology – Basophil Activation Test
- Group 769: Molecular Genetics 4 (Molecular Oncology) - STAT3
- Group 890: Therapeutic Drug Monitoring 1 - Antibacterials 02

Please be aware of the registration and cancellation deadlines, otherwise your registration for the EQAS cannot be guaranteed. If you already have a subscription, you will not receive a registration form. If you wish, you can download the form on our website www.instand-ev.de. Please also note that claims can only be made within a period of four weeks after receipt of the EQAS results

We look forward to a continued good and pleasant cooperation.

SAVE
THE
DATE



Common annual symposium
07. – 09. March 2019
Kap Europa. Trade fair Frankfurt.



Further information and application form: autumn 2018 on www.igld.de

According to the Guidelines of the Federal Medical Association of Germany of Quality Assurance in Medical Laboratories the mandatory analytes of the EQA schemes are color-coded in this brochure.

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After the evaluation of the EQA scheme, each participant who has sent back the results on time to INSTAND e. V. receives an overview of the results, an individual evaluation, a notification of participation and a certificate in case of success.

In case of non-fulfilled EQA results leftover samples of some EQA programs are available after the final evaluation of the corresponding EQA scheme. Please contact the EQAS Expert.

Current fees for INSTAND EQAS: net amount plus legal value added tax and additional costs of shipping expenses. These fees are valid for German participants and may differ in other countries.

List of Rili-BÄK parameters subject to specific parts of B 1, B 2, B 3 and B 5

According to the Guidelines of the Federal Medical Association of Germany of Quality Assurance in Medical Laboratories (only for German participants) the mandatory analytes of the EQA schemes are color-coded in this brochure.

B 1a	Analytes in Plasma / Serum / Whole blood	Frequency	Group no.
	Activated partial thromboplastin time (aPTT)	Quarter	221, 285, 286
	Alanine aminotransferase (ALT or GPT) EC 2.6.1.2	Quarter	100, 120, 810
	Albumin	Quarter	100, 141, 810
	Alkaline phosphatase (AP) EC 3.1.3.1	Quarter	100, 120, 810
	Alpha fetoprotein (AFP)	Quarter	292, 306
	Aspartate aminotransferase (AST or GOT) EC 2.6.1.1	Quarter	100, 120, 810
	Bilirubin (total)	Quarter	100, 110, 120, 810
	CA 15-3	Quarter	292
	Calcium (total)	Quarter	100, 810
	Calcium (ionised)	Quarter	161, 163
	Carbamazepine	Quarter	195
	Carcino embryonic antigen (CEA)	Quarter	292
	Chloride	Quarter	100, 161, 163, 810
	Cholesterol (total) Quarter	Quarter	100, 120, 151, 810
	Cortisol	Quarter	302
	Creatine kinase (CK) EC 2.7.3.2	Quarter	100, 120, 810
	C-reactive protein (CRP)	Quarter	241, 322, 810
	Digitoxin	Quarter	197
	Digoxin	Quarter	195
	Erythrocytes	Quarter	211, 612
	Estradiol, 17-beta	Quarter	302
	Ethanol clinical toxicology	Quarter	700
	Ferritin	Quarter	241
	FSH Quarter	Quarter	297
	Gamma glutamyl transferase (GGT) EC 2.3.2.2	Quarter	100, 120, 810
	Glucose	Quarter	100, 111, 120, 161, 800, 810
	Haematocrit	Quarter	209, 211, 612
	Haemoglobin	Quarter	162, 163, 209, 211, 612
	Haemoglobin A 1c (HbA1c)	Quarter	145
	Uric acid	Quarter	100, 120, 810
	Urea Quarter	Quarter	100, 120, 161, 163, 810
	Human chorionic gonadotropin (hCG)	Quarter	292, 306
	Immunoglobulin IgA	Quarter	100, 241
	Immunoglobulin IgG	Quarter	100, 241
	Immunoglobulin IgM	Quarter	100, 241
	Potassium	Quarter	100, 120, 161, 163, 810
	Creatinine	Quarter	100, 120, 161, 810
	Lactate	Quarter	100, 161, 163, 810
	Lactate dehydrogenase (LDH) EC 1.1.1.27	Quarter	100, 810
	Leucocytes	Quarter	209, 211, 612
	Lithium	Quarter	100, 161, 195
	Magnesium	Quarter	100, 161, 810
	Sodium	Quarter	100, 161, 163, 810
	pCO ₂	Quarter	161, 163
	pH	Quarter	161, 163
	Phenobarbital	Quarter	195
	Phenytoin	Quarter	195
	Phosphate (inorganic)	Quarter	100, 810
	pO ₂	Quarter	161, 163
	Progesterone	Quarter	302
	Prostate-specific antigen (PSA)	Quarter	292, 293
	Protein (total)	Quarter	100, 141, 810

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List of Rili-BÄK parameters subject to specific parts of B 1, B 2, B 3 and B 5

B 1a

Analytes in Plasma / Serum / Whole blood

Frequency

Group no.

>>

Testosterone	Quarter	293, 302
Theophylline	Quarter	195
Thromboplastin time (Quick)	Quarter	221, 285, 286
Thrombocytes	Quarter	209, 211, 612
Thyrotropic hormone (TSH)	Quarter	294, 302
Thyroxine, total (T4)	Quarter	294, 302
Thyroxine, free (fT4)	Quarter	294, 302
Transferrin	Quarter	100, 241
Triglycerides	Quarter	100, 120, 151, 810
Triiodothyronine, total (T3)	Quarter	294, 302
Triiodothyronine, free (fT3)	Quarter	294, 302
Troponin I	Quarter	760
Troponin T	Quarter	760
Valproic acid	Quarter	195
Vancomycin	Quarter	197

B 1b

Analytes in Urine

Frequency

Group no.

Albumin	Quarter	173
Calcium	Quarter	173
Glucose	Quarter	173
Uric acid	Quarter	173
Urea	Quarter	173
Potassium	Quarter	173
Creatinine	Quarter	173
Sodium	Quarter	173
Phosphate	Quarter	173
Protein (total)	Quarter	173

B 1c

Analytes in Cerebrospinal Fluid

Frequency

Group no.

Albumin	Quarter	460
Glucose	Quarter	464
Immunoglobulin IgA	Quarter	460
Immunoglobulin IgG	Quarter	460
Immunoglobulin IgM	Quarter	460
Lactate	Quarter	464
Protein (total)	Quarter	460

B 2

Qualitative laboratory testing

Frequency

Group no.

ABO characteristics	Quarter	231, 232, 237, 238
Borrelia burgdorferi, antibodies against (in serum)	Half-year	332
Borrelia burgdorferi, antibodies against (in CSF)	Half-year	465
Candida albicans, antibodies against	Half-year	480
Cannabinoids	Quarter	177
CD4-T cells	Half-year	213
CD8-T cells	Half-year	213
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Direct Coombs test	Quarter	231, 232, 237, 238
dsDNA, autoantibodies against	Half-year	251
Echinococcus, antibodies against	Calendar year	455
Entamoeba histolytica, antibodies against	Calendar year	455
Erythrocyte antigens, antibodies against (Coombs test)	Quarter	231, 232, 237, 238
Glutaminase, antibodies against	Half-year	271

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B 2	Qualitative laboratory testing	Frequency	Group no.
	>>		
	HBc antigen, antibodies against	Half-year	344
	HBe antigen, antibodies against	Half-year	345
	HBs antigen, antibodies against	Half-year	344
	Hepatitis-A virus, antibodies against	Half-year	343
	Hepatitis-C virus, antibodies against	Half-year	346
	HIV, antibodies against	Half-year	335
	IgE antibodies, allergen-specific single allergen test; method-specific control on a rotational basis with 6 chief allergens from the following groups: a) seasonal inhaled allergen, b) year-round inhaled allergen, c) food allergen, d) insect poison allergen	Half-year	720
	Immunoglobulin, oligoclonal (oligoclonal bands)	Half-year	462
	Nuclei (ANA) autoantibodies against	Half-year	251
	Methadone and metabolites	Quarter	176
	Opiates	Quarter	174
	Plasmodium, antibodies against	Calendar year	454
	Rhesus type	Quarter	231, 232, 237, 238
	Rheumatoid factor (RF)	Quarter	273, 323
	Rubella virus, antibodies against	Half-year	341
	Schistosoma, antibodies against	Calendar year	454
	Streptococci desoxyribonuclease, antibodies against	Half-year	321
	Streptolysin O, antibodies against	Half-year	321
	Toxoplasmosis gondii, antibodies	Half-year	452
	Treponema pallidum, antibodies against	Half-year	311
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B 3	Direct detection and characterisation of infectious agents	Frequency	Group no.
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	Bordetella pertussis, genome detection	Half-year	532
	Borrelia burgdorferi sensu lato, genome detection	Half-year	535
	Chlamydia pneumoniae, genome detection	Half-year	540
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	Listeria monocytogenes, genome detection	Half-year	538
	Methicillin resistance Staphylococcus aureus (MRSA), genome detection	Half-year	539
	Mycoplasma pneumoniae, genome detection	Half-year	541
	Neisseria gonorrhoeae, genome detection	Half-year	530
	Salmonella enterica, genome detection	Half-year	537
	Coxiella burnetii, genome detection	Half-year	542
	Francisella tularensis, genome detection	Half-year	543
	>>		

B 3

Direct detection and characterisation
of infectious agents

Frequency

Group no.

>>

Mycobacteria

Microscopic detection of mycobacteria	Half-year	421
Cultivation of mycobacteria	Half-year	422
Differentiation of tuberculosis bacteria	Half-year	422
Sensitivity test of tuberculosis bacteria	Half-year	425, 426
Identification of mycobacteria	Half-year	423
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Candida, antigen detection	Half-year	480
Cryptococcus neoformans, antigen detection	Half-year	481

Viruses

Adeno viruses, genome detection	Half-year	371
Cytomegalovirus, genome detection	Half-year	365
Enteroviruses, genome detection	Half-year	372
Epstein Barr virus, genome detection	Half-year	376
Hepatitis A virus, genome detection	Half-year	377
Hepatitis B virus, genome detection	Half-year	361
Hepatitis B virus, HBs antigen detection	Half-year	344
Hepatitis B virus, HBe antigen detection	Half-year	345
Hepatitis C virus, genome detection	Half-year	362
Hepatitis C virus genotyping, genome detection	Half-year	375
Hepatitis C virus, HCV antigen detection	Half-year	346
Herpes simplex virus type 1/type 2, genome detection	Half-year	363
HIV 1 (RNA), genome detection	Half-year	360
HIV 1, p24 antigen detection	Half-year	337
Human papilloma viruses, genome detection	Half-year	373
Influenza-A- and -B viruses, genome detection	Half-year	370
Influenza-A- and -B viruses, antigen detection	Half-year	370
Parvovirus B19, genome detection	Half-year	367
Respiratory syncytial virus, genome detection	Half-year	359
Respiratory syncytial virus, antigen detection	Half-year	359
Varicella zoster virus, genome detection	Half-year	366

Analysis	Gene, Trivial Name	Gene, HGNC-Name	Frequency	Group no.
Alpha1-Antitrypsin	AAT, PI1	SERPINA1	Half-year	743
Apolipoprotein B 100	APOB	APOB	Half-year	771
Apolipoprotein E	APOE	APOE	Half-year	734, 744
Cytochrome p450 2C9 (CYP2C9)	CYP2C9	CYP2C9	Half-year	775
Cytochrome p450 2C19 (CYP2C19)	CYP2C19	CYP2C19	Half-year	777
Cytochrome p450 2D6 (CYP2D6)	CYP2D6	CYP2D6	Half-year	777
Factor V (Leiden)	FV Leiden	F5	Half-year	730, 740
Hereditary haemochromatosis	HLA-H	HFE	Half-year	733, 741
HLA-B27	HLA-B	HLA-B	Half-year	440
Lactase-phlorizin-hydrolase	LPH	LCT	Half-year	770
Methylenetetrahydrofolate reductase	MTHFR	MTHFR	Half-year	732, 747
Plasminogen activator inhibitor I	PAI1	SERPINE1	Half-year	735, 748
Prothrombin	FII	F2	Half-year	731, 746
Thiopurine S methyltransferase	TPMT	TPMT	Half-year	775
Uridyl glucuronyl transferase-1A	UGT1	UGT1A1	Half-year	742
Vitamin K epoxide reductase	VKORC1	VKORC-1	Half-year	775
Cystic fibrosis, mucoviscidosis	CFTR	CFTR	Calendar year	778
Familial breast/ovarian cancer (BRCA)	BRCA1, BRCA2	BRCA1, BRCA2	Calendar year	779
21-Hydroxylase deficiency (congenital adrenal hyperplasia)	P450-C21	CYP21A2	Calendar year	773
Duchenne and Becker muscular dystrophy	Dystrophin	DMD	Calendar year	780
Fragile X syndrome	FRAXA	FMR1	Calendar year	781
Severe hearing impairment	Connexin 26	GJB2	Calendar year	782
Hereditary nonpolyposis colorectal cancer	HNPCC	MSH2, MLH1	Calendar year	783
Huntington's disease	Huntingtin	HTT	Calendar year	784
Prader-Willi and Angelman syndrome	Chr. 15q11-q13	ANCR	Calendar year	786
Spinal muscle atrophy	SMA	SMN1	Calendar year	787
Wilson's disease	ATPase	ATP7B	Calendar year	745
Y chromosome, microdeletions	Azoospermia factor	AZF	Calendar year	788

720

Allergy Diagnostic

Schellenberg / Zouboulis

1 set of samples: 5 x lyophilised samples of 1.0 or 0.5 ml serum

117,00€ / Survey
87,00€ additional sample

4 samples for determination of inhaled allergens, food allergens and insect poison allergens
1 sample for determination of total IgE

participation according to Rili-BÄK:
half-yearly

	Jan. (1)	May (3)	July (4)	Oct. (6)
Deadline for registration	23.11.18	08.02.19	05.04.19	12.07.19
Shipment	16.01.19	08.05.19	03.07.19	09.10.19
Deadline for receipt of data	30.01.19	22.05.19	17.07.19	23.10.19

251

Autoimmune Diseases 01 – Connective Tissue Diseases (ANA)

Blüthner / Seelig

2 samples of 0.3 ml, serum

49,00€ / Survey
29,00€ additional sample

Antibodies against cell nuclei (antinuclear antibodies)

ANA

anti – DFS70/LEDGF

anti – ds-DNA

participation according to Rili-BÄK:
half-yearly

	Mar. (2)	Sep. (5)
Deadline for registration	09.01.19	26.06.19
Shipment	06.03.19	28.08.19
Deadline for receipt of data	20.03.19	11.09.19

253

Autoimmune Diseases 02 – Hepatic Syndromes

Blüthner / Seelig

2 samples of 0.3 ml, serum

49,00€ / Survey
29,00€ additional sample

anti – Actin

anti – Smooth Muscle

anti – H+/K+-ATPase

anti – Microsomes (LKM 1)

anti – Mitochondria

anti – Parietal Cells

	Mar. (2)	Sep. (5)
Deadline for registration	09.01.19	26.06.19
Shipment	06.03.19	28.08.19
Deadline for receipt of data	20.03.19	11.09.19

2 samples of 0.3 ml, serum			49,00€ / Survey 29,00€ additional sample
Antibodies against ENA			
anti – Jo 1 (Histidyl-tRNA-Synthetase)	anti – PM / Scl		
anti – Sm	anti – Sm (D)		
anti – SSA / Ro	anti – SSA / Ro (52kD – Proteins)		
anti – SSA / Ro (60kD – Proteins)	anti – SSB / La		
anti – Topoisomerase-1 (Scl 70)	anti – U1 -snRNP (Anti – U1 -70K)		
	Sep. (5)		
Deadline for registration		26.06.19	
Shipment		28.08.19	
Deadline for receipt of data		11.09.19	

2 samples of 0.3 ml, serum			49,00€ / Survey 29,00€ additional sample
Antibodies against neutrophilic granulocytes (ANCA)			
anti – glomerular basement membrane (GBM)	anti – MPO		
anti – PR3	c-ANCA		
p-ANCA			
	Mar. (2)	Sep. (5)	
Deadline for registration	09.01.19	26.06.19	
Shipment	06.03.19	28.08.19	
Deadline for receipt of data	20.03.19	11.09.19	

**participation according to Rili-BÄK:
half-yearly**

2 samples of 0.3 ml, serum			49,00€ / Survey 29,00€ additional sample
anti-BPAG-1	anti-BPAG-2	anti-Desmoglein-1	
anti-Desmoglein-3	anti-Desmoplakin	anti-Hemidesmosomes	
anti-Desmosomes			
	Mar. (2)		
Deadline for registration	09.01.19		
Shipment	06.03.19		
Deadline for receipt of data	20.03.19		

261

Autoimmune Diseases 06 – Diabetes mellitus

Blüthner / Seelig

2 samples of 0.3 ml, serum	109,00€ / Survey 68,00€ additional sample
anti – Glutamic Acid Decarboxylase (GAD) anti – Insulin (IAA) anti – Zinc Transporter 8 (ZnT8A)	anti – Islet Cells (ICA) anti – Tyrosine Phosphatase (IA2)
	Sep. (5)
Deadline for registration	26.06.19
Shipment	28.08.19
Deadline for receipt of data	11.09.19

263

Autoimmune Diseases 07 – Autoimmune Endocrinopathies

Blüthner / Seelig

2 samples of 0.3 ml, serum	49,00€ / Survey 29,00€ additional sample
anti – Adrenal Cortex anti – P450 C21 -Hydroxylase	anti – P450 C17 -Hydroxylase anti – P450 ssc -Hydroxylase
	Sep. (5)
Deadline for registration	26.06.19
Shipment	28.08.19
Deadline for receipt of data	11.09.19

265

Autoimmune Diseases 08 – Paraneoplastic Neuropathies

Blüthner / Seelig

2 samples of 0.3 ml, serum	49,00€ / Survey 29,00€ additional sample	
anti – Amphiphysin 1 anti – Neuronal Nuclei anti – SOX1	anti – Glia Cell Nuclear Antibody (AGNA) anti – Purkinje Cells anti – Ta (Ma 2)	anti – HuD anti – Ri / Nova 1 anti – Yo (CDR62)
	Mar. (2)	
Deadline for registration	09.01.19	
Shipment	06.03.19	
Deadline for receipt of data	20.03.19	

267

Autoimmune Diseases 09 – Peripheral Neuropathies

Blüthner / Seelig

2 samples of 0.3 ml, serum	49,00€ / Survey 29,00€ additional sample
anti – Asialoganglioside (AGA1) anti – Disialoganglioside (GD1b) anti – Monosialoganglioside (GM2) anti – Myelin-associated Glycoprotein (MAG) anti – Trisialoganglioside (GT1b)	anti – Disialoganglioside (GD1a) anti – Monosialoganglioside (GM1) anti – Monosialoganglioside (GM3) anti – Quadrosialoganglioside (GQ1b)
	Mar. (2)
Deadline for registration	09.01.19
Shipment	06.03.19
Deadline for receipt of data	20.03.19

2 samples of 0.3 ml, serum		49,00€ / Survey 29,00€ additional sample
anti – Acetylcholin Receptors anti – Skeletal Muscle	anti – Musclespecific Receptor Tyrosinkinase (MuSK) anti – Titin	
	Mar. (2)	
Deadline for registration	09.01.19	
Shipment	06.03.19	
Deadline for receipt of data	20.03.19	

2 samples of 0.3 ml, serum		49,00€ / Survey 29,00€ additional sample
anti – deamidated Gliadin IgA anti – Endomysium IgA anti – Gliadin IgG	anti – deamidated Gliadin IgG anti – Gliadin IgA anti – Transglutaminase IgA	participation according to Rili-BÄK: half-yearly
	Mar. (2)	Sep. (5)
Deadline for registration	09.01.19	26.06.19
Shipment	06.03.19	28.08.19
Deadline for receipt of data	20.03.19	11.09.19

2 samples of 0.3 ml, serum		49,00€ / Survey 29,00€ additional sample
anti – CCP (cyclic citrulline peptide) Rheumatoid Factors	anti – MCV (mutated citrullinated Vimentin)	participation according to Rili-BÄK: quarterly
Additional terms see EQA No. 323!		
	Mar. (2)	Sep. (5)
Deadline for registration	09.01.19	26.06.19
Shipment	06.03.19	28.08.19
Deadline for receipt of data	20.03.19	11.09.19

2 samples of 0.3 ml, serum		49,00€ / Survey 29,00€ additional sample
anti – Cardiolipin (IgG) anti – β 2-Glycoprotein (IgM)	anti – Cardiolipin (IgM)	anti – β 2-Glycoprotein (IgG)
		Sep. (5)
Deadline for registration		26.06.19
Shipment		28.08.19
Deadline for receipt of data		11.09.19

653

Basophil Activation Test**NEW**

Sack / Boldt

2 samples of 2.6 ml EDTA whole blood, not stabilized, overnight shipping

185,00€ / Survey
additional sample not available

Allergy according to case description

No shipping outside Germany possible!

EQA results can only be submitted online!

	May (3)	Nov. (6)
Deadline for registration	22.03.19	23.08.19
Shipment	22.05.19	23.10.19
Deadline for receipt of data	31.05.19	04.11.19

651

Cellular Immunodeficiency Diagnostic (Cytometry)

Sack / Boldt

EDTA whole blood, not stabilized, overnight shipping

165,00€ / Survey
additional sample not available

T, NK and B cell subpopulations including naive, memory, effector, activated, TH1/2 and Treg

EQA results can only be submitted online!

	May (3)	Nov. (6)
Deadline for registration	22.03.19	23.08.19
Shipment	22.05.19	23.10.19
Deadline for receipt of data	31.05.19	04.11.19

618 Engraftment- and Chimerism Diagnostics

Reibke / Dick / Spannagl

5 whole blood samples, donor, patient pre-and post-transplant)

109,00€ / Survey
additional sample not available

Chimerism diagnostics after stem cell transplantation

Evaluation and diagnosis Receiver

Annual fee: 218€ – Only annual subscription possible!

EQA results can only be submitted online!

Successful participation in both EQAS rounds is necessary for the award of a certificate.

	May (3)	Nov. (6)
Deadline for registration	22.02.19	20.09.19
Shipment	09.04.19	05.11.19
Deadline for receipt of data	03.05.19	27.11.19

440 Immunogenetics 01 – HLA-B27 Determination

Lachmann / Zaralioglu

5 blood samples

68,00€ / Survey
additional sample not available

Determination of HLA-B27 by molecular and/or serological means

**participation according to Rili-BÄK:
half-yearly**

	Feb. (1)	Apr. (3)	Aug. (4)	Nov. (6)
Deadline for registration	23.11.18	22.02.19	07.06.19	20.09.19
Shipment	21.01.19	08.04.19	22.07.19	04.11.19
Deadline for receipt of data	13.02.19	30.04.19	14.08.19	27.11.19

441 Immunogenetics 02 – Serology HLA Typing Class I and II

Lachmann / Zaralioglu

5 blood samples

81,00€ / Survey
additional sample not available

Serological typing of HLA class I (HLA A, B) (441-1) and/or HLA class II (HLA-DR, DQ) (441-2);
optional determination of HLA-C (441-1)

	Feb. (1)	Apr. (3)	Aug. (4)	Nov. (6)
Deadline for registration	23.11.18	22.02.19	07.06.19	20.09.19
Shipment	21.01.19	08.04.19	22.07.19	04.11.19
Deadline for receipt of data	13.02.19	30.04.19	14.08.19	27.11.19

442

Immunogenetics 03 – DNA-Based Typing of HLA Class II

Lachmann / Zaralioglu

5 blood samples	95,00€ / Survey additional sample not available			
DNA typing of HLA class II: generic HLA-DRB1 (optional -DRB3,4,5) typing (442-1), generic HLA-DQB1 typing (442-2), high-resolution HLA-DRB1 typing (442-3), high-resolution HLA-DQB1 typing (442-4), rheumatoid-shared epitopes of HLA-DRB1 (442-5), generic to high resolution HLA-DQA1 typing (442-6), generic to high resolution HLA-DPA1 and -DPB1 (442-7)				
	Feb. (1)	Apr. (3)	Aug. (4)	Nov. (6)
Deadline for registration	23.11.18	22.02.19	07.06.19	20.09.19
Shipment	21.01.19	08.04.19	22.07.19	04.11.19
Deadline for receipt of data	13.02.19	30.04.19	14.08.19	27.11.19

444

Immunogenetics 05 – DNA-Based HLA Typing Class I

Lachmann / Zaralioglu

5 samples (buffy coat)	121,00€ / Survey additional sample not available			
DNA typing of HLA class I: generic HLA-A typing (444-1), generic HLA-B typing (444-2), generic HLA-C typing (444-3), high resolution HLA-A typing (444-4), high resolution HLA-B typing (444-5), high resolution HLA-C typing (444-6), determination of HLA-B*57:01 (444-7)				
	Feb. (1)	Apr. (3)	Aug. (4)	Nov. (6)
Deadline for registration	23.11.18	22.02.19	07.06.19	20.09.19
Shipment	21.01.19	08.04.19	22.07.19	04.11.19
Deadline for receipt of data	13.02.19	30.04.19	14.08.19	27.11.19

445

Immunogenetics 06 – HLA Antibody Screening and Specification

Lachmann / Zaralioglu

5 serum samples	235,00€ / Survey 235,00€ additional sample	
HLA antibody determination: HLA antibody screening by complement-dependent cytotoxicity test (CDC) (445-1) and/or with solid phase immunoassays (445-2), antibody specification by CDC (445-3) and/or antibody specification by solid phase immunoassays (ELISA, Luminex) (445-4), education scheme on HLA antibody detection/specification (445-5)		
	Feb. (1)	Aug. (4)
Deadline for registration	23.11.18	07.06.19
Shipment	23.01.19	24.07.19
Deadline for receipt of data	27.02.19	26.08.19

443 Immunogenetics 04 – HLA Crossmatching

Lachmann / Zaralioglu

1 serum set (20 Sera) / year			165,00€ / Survey additional sample not available
HLA crossmatching (lymphocytotoxic crossmatching)			
Group 443: only in block with No. 441 August. Registration deadline: 23.11.2018 and shipment of serum samples on 21.01.2019. The HLA crossmatching should be done with the shipping of the group 441 August.			
	Aug. (4)		
Deadline for registration		23.11.18	
Shipment		21.01.19	
Deadline for receipt of data		26.08.19	

Molecular genetics 01

734 Apolipoprotein E (E2, E3, E4)

Flörke / Kappert

2 samples of 0.5 ml human blood			33,00€ / Survey additional sample not available
Apo E (genotypes 2, 3, 4)			participation according to Rili-BÄK: half-yearly
	Apr. (2)		Oct. (5)
Deadline for registration	11.01.19		19.07.19
Shipment	13.03.19		18.09.19
Deadline for receipt of data	10.04.19		16.10.19

730 Factor V-Leiden-Mutation

Flörke / Kappert

2 samples of 0.5 ml human blood			33,00€ / Survey additional sample not available
Factor V-Leiden			participation according to Rili-BÄK: half-yearly
	Apr. (2)		Oct. (5)
Deadline for registration	11.01.19		19.07.19
Shipment	13.03.19		18.09.19
Deadline for receipt of data	10.04.19		16.10.19

733

HFE H63D, C282Y (optional: S65C)

Flörke / Kappert

2 samples of 0.5 ml human blood

33,00€ / Survey
additional sample not available

HFE: C 282 Y

HFE: H 63 D

HFE: S 65 C

**participation according to Rili-BÄK:
half-yearly**

	Apr. (2)	Oct. (5)
Deadline for registration	11.01.19	19.07.19
Shipment	13.03.19	18.09.19
Deadline for receipt of data	10.04.19	16.10.19

732

MTHFR C677T (optional: A1298C)

Flörke / Kappert

2 samples of 0.5 ml human blood

33,00€ / Survey
additional sample not available

MTHFR (A 1298 C)

MTHFR (C 677 T)

**participation according to Rili-BÄK:
half-yearly**

	Apr. (2)	Oct. (5)
Deadline for registration	11.01.19	19.07.19
Shipment	13.03.19	18.09.19
Deadline for receipt of data	10.04.19	16.10.19

735

PAI-1 (4G/5G)

Flörke / Kappert

2 samples of 0.5 ml human blood

33,00€ / Survey
additional sample not available

Plasminogenactivator-Inhibitor (PAI): 4G, 5G

**participation according to Rili-BÄK:
half-yearly**

	Apr. (2)	Oct. (5)
Deadline for registration	11.01.19	19.07.19
Shipment	13.03.19	18.09.19
Deadline for receipt of data	10.04.19	16.10.19

731

Prothrombin G20210A

Flörke / Kappert

2 samples of 0.5 ml human blood

33,00€ / Survey
additional sample not available

Prothrombin 20210

**participation according to Rili-BÄK:
half-yearly**

	Apr. (2)	Oct. (5)
Deadline for registration	11.01.19	19.07.19
Shipment	13.03.19	18.09.19
Deadline for receipt of data	10.04.19	16.10.19

740 Set 01-A – Factor V-Leiden-Mutation

Flörke / Kappert

3 samples, DNA (in water) isolated from human leukocytes				21,00€ / Survey additional sample not available
Coagulation: Factor V-Leiden				
	Feb. (1)	June (3)	Nov. (6)	participation according to Rili-BÄK: half-yearly
Deadline for registration	23.11.18	08.03.19	09.08.19	
Shipment	16.01.19	08.05.19	09.10.19	
Deadline for receipt of data	15.02.19	07.06.19	08.11.19	

749 Set 01-B – Fibrinogen Receptor HPA 1a/1b

Flörke / Kappert

3 samples, DNA (in water) isolated from human leukocytes				21,00€ / Survey additional sample not available
Coagulation: HPA: 1a, 1b				
	Feb. (1)	June (3)	Nov. (6)	
Deadline for registration	23.11.18	08.03.19	09.08.19	
Shipment	16.01.19	08.05.19	09.10.19	
Deadline for receipt of data	15.02.19	07.06.19	08.11.19	

739 Set 01-C – Collagen Receptor C807T

Flörke / Kappert

3 samples, DNA (in water) isolated from human leukocytes				21,00€ / Survey additional sample not available
Coagulation: Collagen receptor GP Ia/IIa (C 807 T)				
	Feb. (1)	June (3)	Nov. (6)	
Deadline for registration	23.11.18	08.03.19	09.08.19	
Shipment	16.01.19	08.05.19	09.10.19	
Deadline for receipt of data	15.02.19	07.06.19	08.11.19	

747

Set 01-D – MTHFR C677T (optional A1298C)

Flörke / Kappert

3 samples, DNA (in water) isolated from human leukocytes				21,00€ / Survey additional sample not available
Coagulation:				
MTHFR (A 1298 C)		MTHFR (C 677 T)		participation according to Rili-BÄK: half-yearly
	Feb. (1)	June (3)	Nov. (6)	
Deadline for registration	23.11.18	08.03.19	09.08.19	
Shipment	16.01.19	08.05.19	09.10.19	
Deadline for receipt of data	15.02.19	07.06.19	08.11.19	

748

Set 01-E – PAI-1 (4G/5G)

Flörke / Kappert

3 samples, DNA (in water) isolated from human leukocytes				21,00€ / Survey additional sample not available
Coagulation:				
Plasminogenactivator-Inhibitor (PAI): 4G, 5G				participation according to Rili-BÄK: half-yearly
	Feb. (1)	June (3)	Nov. (6)	
Deadline for registration	23.11.18	08.03.19	09.08.19	
Shipment	16.01.19	08.05.19	09.10.19	
Deadline for receipt of data	15.02.19	07.06.19	08.11.19	

746

Set 01-F – Prothrombin G20210A

Flörke / Kappert

3 samples, DNA (in water) isolated from human leukocytes				21,00€ / Survey additional sample not available
Coagulation:				
Prothrombin 20210				participation according to Rili-BÄK: half-yearly
	Feb. (1)	June (3)	Nov. (6)	
Deadline for registration	23.11.18	08.03.19	09.08.19	
Shipment	16.01.19	08.05.19	09.10.19	
Deadline for receipt of data	15.02.19	07.06.19	08.11.19	

793

Set 02-A – Aldolase B (A149P, A174D, N334K)

Flörke / Kappert

3 samples, DNA (in water) isolated from human leukocytes				22,00€ / Survey additional sample not available
Hereditary fructose intolerance:				
Aldolase B: A 149 P	Aldolase B: A 174 D	Aldolase B: N 334 K		participation according to Rili-BÄK: half-yearly
	Feb. (1)	June (3)	Nov. (6)	
Deadline for registration	23.11.18	08.03.19	09.08.19	
Shipment	16.01.19	08.05.19	09.10.19	
Deadline for receipt of data	15.02.19	07.06.19	08.11.19	

743 Set 02-B – alpha1-Antitrypsin (PiM, PiS, PiZ)

Flörke / Kappert

3 samples, DNA (in water) isolated from human leukocytes		21,00€ / Survey additional sample not available	
Enzyme inhibitors:		participation according to Rili-BÄK: half-yearly	
a1-AT S-Locus	a1-AT Z-Locus		
	Feb. (1)	June (3)	Nov. (6)
Deadline for registration	23.11.18	08.03.19	09.08.19
Shipment	16.01.19	08.05.19	09.10.19
Deadline for receipt of data	15.02.19	07.06.19	08.11.19

744 Set 02-C – Apolipoprotein E (Genotypes 2, 3, 4)

Flörke / Kappert

3 samples, DNA (in water) isolated from human leukocytes		21,00€ / Survey additional sample not available	
Lipoproteins:		participation according to Rili-BÄK: half-yearly	
Apo E (genotypes 2, 3, 4)			
	Feb. (1)	June (3)	Nov. (6)
Deadline for registration	23.11.18	08.03.19	09.08.19
Shipment	16.01.19	08.05.19	09.10.19
Deadline for receipt of data	15.02.19	07.06.19	08.11.19

745 Set 02-D – Copper-Binding Protein: ATP7B (H1069Q)

Flörke / Kappert

3 samples, DNA (in water) isolated from human leukocytes		21,00€ / Survey additional sample not available	
M. Wilson:		participation according to Rili-BÄK: yearly	
ATP 7 B: H 1069 Q			
	Feb. (1)	June (3)	Nov. (6)
Deadline for registration	23.11.18	08.03.19	09.08.19
Shipment	16.01.19	08.05.19	09.10.19
Deadline for receipt of data	15.02.19	07.06.19	08.11.19

741 Set 02-E – HFE: H63D, C282Y (optional S65C)

Flörke / Kappert

3 samples, DNA (in water) isolated from human leukocytes		21,00€ / Survey additional sample not available	
Haemochromatosis:		participation according to Rili-BÄK: half-yearly	
HFE: C 282 Y	HFE: H 63 D		
	Feb. (1)	June (3)	Nov. (6)
Deadline for registration	23.11.18	08.03.19	09.08.19
Shipment	16.01.19	08.05.19	09.10.19
Deadline for receipt of data	15.02.19	07.06.19	08.11.19

742

Set 02-F – UDP-Glucuronyltransferase 1

Flörke / Kappert

3 samples, DNA (in water) isolated from human leukocytes		21,00€ / Survey additional sample not available	
Hyperbilirubinaemia: UDP-glucuronyl transferase (TA)6, (TA)7		participation according to Rili-BÄK: half-yearly	
	Feb. (1)	June (3)	Nov. (6)
Deadline for registration	23.11.18	08.03.19	09.08.19
Shipment	16.01.19	08.05.19	09.10.19
Deadline for receipt of data	15.02.19	07.06.19	08.11.19

792

Set 03-A – Antithrombin (AT3; SERPINC1)

Christensen / Kappert

3 samples, DNA suspended in water		24,00€ / Survey additional sample not available	
Antithrombin (AT3; SERPINC1) (3 exons as specified)			
	Feb. (1)		Nov. (6)
Deadline for registration	23.11.18		09.08.19
Shipment	16.01.19		09.10.19
Deadline for receipt of data	15.02.19		08.11.19

738

Set 03-B – Ret Proto-Oncogene (Multiple Endocrine Neoplasia Type 2A – MEN2A)

Christensen / Kappert

3 samples, DNA suspended in water		24,00€ / Survey additional sample not available	
Ret Proto-oncogene, exon 10-16			
	Feb. (1)		Nov. (6)
Deadline for registration	23.11.18		09.08.19
Shipment	16.01.19		09.10.19
Deadline for receipt of data	15.02.19		08.11.19

790

Set 03-C – Protein C

Christensen / Kappert

3 samples, DNA suspended in water		24,00€ / Survey additional sample not available	
Protein C(3 exons as specified)			
	Feb. (1)		Nov. (6)
Deadline for registration	23.11.18		09.08.19
Shipment	16.01.19		09.10.19
Deadline for receipt of data	15.02.19		08.11.19

791 Set 03-D – Protein S

Christensen / Kappert

3 samples, DNA suspended in water		24,00€ / Survey additional sample not available
Protein S (3 exons as specified)		
	Feb. (1)	Nov. (6)
Deadline for registration	23.11.18	09.08.19
Shipment	16.01.19	09.10.19
Deadline for receipt of data	15.02.19	08.11.19

Molecular genetics 03

770 Set 01 – Lactase-gene (LCT)

Maly / Fried

3 samples of 20 µl DNA in Tris-EDTA		69,00€ / Survey 55,00€ additional sample
Lactase-Gene (LCT) (T -13910 C)		
EQA results can only be submitted online!		participation according to Rili-BÄK: half-yearly
	Apr. (2)	
Deadline for registration	11.01.19	09.08.19
Shipment	06.03.19	09.10.19
Deadline for receipt of data	03.04.19	08.11.19

771 Set 02 – ApoB

Maly / Fried

3 samples of 20 µl DNA in Tris-EDTA		69,00€ / Survey 55,00€ additional sample
Apo B 100 (R 3500 Q)		
EQA results can only be submitted online!		participation according to Rili-BÄK: half-yearly
	Apr. (2)	
Deadline for registration	11.01.19	09.08.19
Shipment	06.03.19	09.10.19
Deadline for receipt of data	03.04.19	08.11.19

772 Set 03 – HLA-DQ

Maly / Fried

3 samples of 20 µl DNA in Tris-EDTA		69,00€ / Survey 55,00€ additional sample
HLA DQA1*05	HLA DQB1*02	
EQA results can only be submitted online!		
	Apr. (2)	
Deadline for registration	11.01.19	09.08.19
Shipment	06.03.19	09.10.19
Deadline for receipt of data	03.04.19	08.11.19

773

Set 04 – CYP21A2 21-Hydroxylase

Maly / Fried

3 samples of 40 µl DNA in Tris-EDTA			69,00€ / Survey 55,00€ additional sample
Cyp21A2 gene (Del 8bp) Cyp21A2 gene (I 172 N) Cyp21A2 gene (P 453 S) Cyp21A2 gene (V 281 L)	Cyp21A2 gene (E6 Cluster) Cyp21A2 gene (I2 G) Cyp21A2 gene (Q 318 X)	Cyp21A2 gene (F306 +T) Cyp21A2 gene (P 30 L) Cyp21A2 gene (R 356 W)	participation according to Rili-BÄK: yearly
<u>EQA results can only be submitted online!</u>			
	Apr. (2)		Nov. (6)
Deadline for registration	11.01.19		09.08.19
Shipment	06.03.19		09.10.19
Deadline for receipt of data	03.04.19		08.11.19

774

Set 05 – NOD2

Maly / Fried

3 samples of 20 µl DNA in Tris-EDTA			69,00€ / Survey 55,00€ additional sample
NOD2 (G 908 R)	NOD2 (L 1007fs InsC)	NOD2 (R 702 W)	participation according to Rili-BÄK: half-yearly
<u>EQA results can only be submitted online!</u>			
	Apr. (2)		Nov. (6)
Deadline for registration	11.01.19		09.08.19
Shipment	06.03.19		09.10.19
Deadline for receipt of data	03.04.19		08.11.19

775

Set 06 – CYP2C9 CYP2C19 VKORC1 TPMT

Maly / Fried

3 samples of 40 µl DNA in Tris-EDTA			69,00€ / Survey 55,00€ additional sample
CYP2C19*2 Allele: G 681 A CYP2C9*2 Allele: C 430 T TPMT*2 Allele (nt. G 238 C) TPMT*3B Allele (nt. G 460 A) TPMT (nt. A 719 G) VKORC1: C 1173 T	CYP2C19*3 Allele: G 636 A CYP2C9*3 Allele: A 1075 C TPMT*3A Allele (nt. G 460 A + nt. A 719 G) TPMT*3C Allele (nt. A 719 G) TPMT (nt. G 460 A) VKORC1: G -1639 A		participation according to Rili-BÄK: half-yearly
<u>EQA results can only be submitted online!</u>			
	Apr. (2)		Nov. (6)
Deadline for registration	11.01.19		09.08.19
Shipment	06.03.19		09.10.19
Deadline for receipt of data	03.04.19		08.11.19

776

Set 07 – K-ras Codon 12/13/61

Maly / Fried

3 samples of 40 µl DNA in Tris-EDTA			69,00€ / Survey 55,00€ additional sample
K-ras Codon 12/13 mutation K-ras Codon 13 mutation K-ras Codon 61 mutation type	K-ras Codon 12 mutation K-ras Codon 13 mutation type	K-ras Codon 12 mutation type K-ras Codon 61 mutation	participation according to Rili-BÄK: half-yearly
<u>EQA results can only be submitted online!</u>			
	Apr. (2)		Nov. (6)
Deadline for registration	11.01.19		09.08.19
Shipment	06.03.19		09.10.19
Deadline for receipt of data	03.04.19		08.11.19

3 samples of 40 µl DNA in Tris-EDTA			69,00€ / Survey 55,00€ additional sample
CYP2D6*3: A2637 del CYP2D6*6: T1795 del IL-28B C/T: rs 12979860	CYP2D6*4: G 1934 A CYP2D6 Gene Duplication	CYP2D6*5: complete Deletion DPD (exon 14 skipping)	participation according to Rili-BÄK: half-yearly
<u>EQA results can only be submitted online!</u>			
	Apr. (2)	Nov. (6)	
Deadline for registration	11.01.19	09.08.19	
Shipment	06.03.19	09.10.19	
Deadline for receipt of data	03.04.19	08.11.19	

3 samples of 40 µl DNA in Tris-EDTA			165,00€ / Survey 119,00€ additional sample
CFTR gene (1078 del T) CFTR gene (1717-1 G>A) CFTR gene (2184 ins A) CFTR gene (2789+5 G>A) CFTR gene (3659 del C) CFTR gene (394 del TT) CFTR gene (dele2,3 (21kb)) CFTR gene (G 542 X) CFTR gene (G 85 E) CFTR gene (I 336 K) CFTR gene (Intron 8 (Polypyrimidine Tract)) CFTR gene (N 1303 K) CFTR gene (R 117 H) CFTR gene (R 347 P/H) CFTR gene (W 1282 X) CFTR gene (2154 del A) CFTR gene (E 92 X) CFTR gene (E 60 K)	CFTR gene (1342-2 A>C) CFTR gene (2183A A>G) CFTR gene (2143 del T) CFTR gene (3272-26 A>G) CFTR gene (3849+10kb C>T) CFTR gene (621+1 G>T) CFTR gene (delta F 508) CFTR gene (G 551 D) CFTR gene (I 148 T) CFTR gene (I 507 del) CFTR gene (M 1101 K) CFTR gene (R 1162 X) CFTR gene (R 334 W) CFTR gene (R 553 X) CFTR gene (Y 1092 X (C>A)) CFTR gene (1677 del T A) CFTR gene (3905 ins T) CFTR gene (A 455 E)		participation according to Rili-BÄK: yearly
<u>EQA results can only be submitted online!</u>			
	Apr. (2)	Nov. (6)	
Deadline for registration	11.01.19	09.08.19	
Shipment	06.03.19	09.10.19	
Deadline for receipt of data	03.04.19	08.11.19	

3 samples of 40 µl DNA in Tris-EDTA			165,00€ / Survey 119,00€ additional sample
BRCA1 mutation BRCA2 mutation type	BRCA1 mutation type	BRCA2 mutation	participation according to Rili-BÄK: yearly
<u>EQA results can only be submitted online!</u>			
	Apr. (2)	Nov. (6)	
Deadline for registration	11.01.19	09.08.19	
Shipment	06.03.19	09.10.19	
Deadline for receipt of data	03.04.19	08.11.19	

780

Set 11 – Dystrophin (Becker-Duchenne)

Maly / Fried

3 samples of 40 µl DNA in Tris-EDTA		165,00€ / Survey 119,00€ additional sample
Dystrophin – mutation	Dystrophin – mutation type	participation according to Rili-BÄK: yearly
<u>EQA results can only be submitted online!</u>		
	Apr. (2)	Nov. (6)
Deadline for registration	11.01.19	09.08.19
Shipment	06.03.19	09.10.19
Deadline for receipt of data	03.04.19	08.11.19

781

Set 12 – FMR1 Fragile X

Maly / Fried

3 samples of 40 µl DNA in Tris-EDTA		165,00€ / Survey 119,00€ additional sample
Allele 1 FMR1 CGG repeats in 5' UTR Evaluation Allele 1 Global evaluation	Allele 2 FMR1 CGG repeats in 5' UTR Evaluation Allele 2	participation according to Rili-BÄK: yearly
<u>EQA results can only be submitted online!</u>		
	Apr. (2)	Nov. (6)
Deadline for registration	11.01.19	09.08.19
Shipment	06.03.19	09.10.19
Deadline for receipt of data	03.04.19	08.11.19

782

Set 13 – GJB2 Connexin 26

Maly / Fried

3 samples of 20 µl DNA in Tris-EDTA		165,00€ / Survey 119,00€ additional sample
GJB2 35del G (Connexin 26)		participation according to Rili-BÄK: yearly
<u>EQA results can only be submitted online!</u>		
	Apr. (2)	Nov. (6)
Deadline for registration	11.01.19	09.08.19
Shipment	06.03.19	09.10.19
Deadline for receipt of data	03.04.19	08.11.19

783

Set 14 – MSH2 MLH1 (HNPCC)

Maly / Fried

3 samples of 40 µl DNA in Tris-EDTA		165,00€ / Survey 119,00€ additional sample
MLH1 mutation	MLH1 mutation type	participation according to Rili-BÄK: yearly
MSH2 mutation	MSH2 mutation type	
<u>EQA results can only be submitted online!</u>		
	Apr. (2)	Nov. (6)
Deadline for registration	11.01.19	09.08.19
Shipment	06.03.19	09.10.19
Deadline for receipt of data	03.04.19	08.11.19

784

Set 15 – HTT Huntingtin

Maly / Fried

3 samples of 40 µl DNA in Tris-EDTA			165,00€ / Survey 119,00€ additional sample
HTT Gen – evaluation allele 1 HTT Gen – CAG repeats allele 1		HTT Gen – evaluation allele 2 HTT Gen – CAG repeats allele 2	participation according to Rili-BÄK: yearly
<u>EQA results can only be submitted online!</u>			
	Apr. (2)	Nov. (6)	
Deadline for registration	11.01.19	09.08.19	
Shipment	06.03.19	09.10.19	
Deadline for receipt of data	03.04.19	08.11.19	

786

Set 16 – ANCR (Prader-Willi, Angelman)

Maly / Fried

3 samples of 40 µl DNA in Tris-EDTA			165,00€ / Survey 119,00€ additional sample
SNRPN gene – diagnosis SNRPN gene – paternal allele		SNRPN gene – maternal allele	participation according to Rili-BÄK: yearly
<u>EQA results can only be submitted online!</u>			
	Apr. (2)	Nov. (6)	
Deadline for registration	11.01.19	09.08.19	
Shipment	06.03.19	09.10.19	
Deadline for receipt of data	03.04.19	08.11.19	

787

Set 17 – SMN1 (Spinal Muscular Atrophy)

Maly / Fried

3 samples of 40 µl DNA in Tris-EDTA			165,00€ / Survey 119,00€ additional sample
SMN1 Gen – exon 7 deletion		SMN1 Gen – exon 8 deletion	participation according to Rili-BÄK: yearly
<u>EQA results can only be submitted online!</u>			
	Apr. (2)	Nov. (6)	
Deadline for registration	11.01.19	09.08.19	
Shipment	06.03.19	09.10.19	
Deadline for receipt of data	03.04.19	08.11.19	

788

Set 18 – AZF (Y-Chromosome Microdeletions)

Maly / Fried

3 samples of 40 µl DNA in Tris-EDTA			165,00€ / Survey 119,00€ additional sample
Y-Chromosome AZFa deletion		Y-Chromosome AZFb deletion	Y-Chromosome AZFc deletion
<u>EQA results can only be submitted online!</u>			participation according to Rili-BÄK: yearly
	Apr. (2)	Nov. (6)	
Deadline for registration	11.01.19	09.08.19	
Shipment	06.03.19	09.10.19	
Deadline for receipt of data	03.04.19	08.11.19	

768 CALR Kreuzer / Kleinert

2 DNA samples			141,00€ / Survey 103,00€ additional sample
CALR Exon 9 Mutation(s)	CALR Specification		
<u>EQA results can only be submitted online!</u>			
	Apr. (2)		Nov. (6)
Deadline for registration	11.01.19		09.08.19
Shipment	06.03.19		09.10.19
Deadline for receipt of data	03.04.19		08.11.19

767 KIT Kreuzer / Kleinert

2 DNA samples			141,00€ / Survey 103,00€ additional sample
p.D816V			
<u>EQA results can only be submitted online!</u>			
	Apr. (2)		Nov. (6)
Deadline for registration	11.01.19		09.08.19
Shipment	06.03.19		09.10.19
Deadline for receipt of data	03.04.19		08.11.19

766 MYD88 Kreuzer / Kleinert

2 DNA samples			141,00€ / Survey 103,00€ additional sample
p.L265P			
<u>EQA results can only be submitted online!</u>			
	Apr. (2)		Nov. (6)
Deadline for registration	11.01.19		09.08.19
Shipment	06.03.19		09.10.19
Deadline for receipt of data	03.04.19		08.11.19

769 STAT3 **NEW** Kreuzer / Kleinert

2 DNA samples			141,00€ / Survey 103,00€ additional sample
STAT3 Mutation(s)			
<u>EQA results can only be submitted online!</u>			
	Apr. (2)		Nov. (6)
Deadline for registration	11.01.19		09.08.19
Shipment	06.03.19		09.10.19
Deadline for receipt of data	03.04.19		08.11.19

765

TP53

Kreuzer / Kleinert

2 DNA samples		265,00€ / Survey 191,00€ additional sample
TP53 Mutation(s)	TP53 Nomenclature	
<u>EQA results can only be submitted online!</u>		
	Apr. (2)	Nov. (6)
Deadline for registration	11.01.19	09.08.19
Shipment	06.03.19	09.10.19
Deadline for receipt of data	03.04.19	08.11.19

794

Set 20 – Alpha-Globin and beta-Globin

Frömmel / Brunner-Agten

2 samples DNA		67,00€ / Survey 47,00€ additional sample
alpha-Globin – Evaluation alpha-Globin – Mutation 2 Report beta-Globin – Mutation 1 beta-Globin – Mutation 4	alpha-Globin – Genotype alpha-Globin – Mutation 3 beta-Globin – Evaluation beta-Globin – Mutation 2	alpha-Globin – Mutation 1 alpha-Globin – Mutation 4 beta-Globin – Genotype beta-Globin – Mutation 3
	June (3)	Nov. (6)
Deadline for registration	08.03.19	09.08.19
Shipment	08.05.19	09.10.19
Deadline for receipt of data	07.06.19	08.11.19

211

Haematology 01 – Blood Cell Count

Dorn-Beineke / Nebe

2 specimen of 2 ml, stabilized control blood

49,00€ / Survey
29,00€ additional sample

Analysis of Haemoglobin with HemoCue systems is possible!

Erythrocytes
Haemoglobin
ThrombocytesHaematocrit el.count
LeucocytesHaematocrit centrif.
MCV**participation according to Rili-BÄK:
quarterly**

	Jan. (1)	Mar. (2)	May (3)	July (4)	Sep. (5)	Oct. (6)
Deadline for registration	23.11.18	11.01.19	08.03.19	03.05.19	28.06.19	16.08.19
Shipment	16.01.19	06.03.19	08.05.19	03.07.19	28.08.19	09.10.19
Deadline for receipt of data	30.01.19	20.03.19	22.05.19	17.07.19	11.09.19	23.10.19

212

Haematology 07 – Blood Smear Analysis

Diem / Baurmann

2 peripheral blood smears

43,00€ / Survey
43,00€ additional sample

In addition to the two preparations, you usually receive an additional and difficult preparation (free of charge) which is not part of the EQA scheme, but is only intended for educational purposes.

Blood cell differentiation of leucocytes in %, morphology of erythrocytes, leucocytes, platelets
Probable diagnosis**participation according to Rili-BÄK:
quarterly**

	Jan. (1)	May (3)	July (4)	Oct. (6)
Deadline for registration	23.11.18	08.03.19	03.05.19	16.08.19
Shipment	16.01.19	08.05.19	03.07.19	09.10.19
Deadline for receipt of data	30.01.19	22.05.19	17.07.19	25.10.19

218

Haematology 09 – Bone Marrow Cytology

Haferlach / Gassmann

2 digital slides in a virtual microscope of bone marrow aspirate

65,00€ / Survey
additional sample not available

Evaluation and diagnosis

EQA results can only be submitted online!

No samples will be sent!

	Mar. (2)	Sep. (5)
Deadline for registration	11.01.19	28.06.19
Shipment	06.03.19	28.08.19
Deadline for receipt of data	20.03.19	11.09.19

236 Haematology 16 – Free Haemoglobin

von Ahsen / Klouche

2 samples of erythrocytes preparation, lyophilised		37,00€ / Survey 24,00€ additional sample			
Haemoglobin (free)					
The samples are not suitable for methods based on photometric measurements of the oxyhaemoglobin peaks around 540 nm and/or 577 nm. The Harboe method (415 nm peak) is not affected. The quantitative hemolysis index from automated chemistry analysers can also provide a suitable result.					
	Jan. (1)	May (3)	Sep. (5)	Oct. (6)	
Deadline for registration	23.11.18	08.03.19	28.06.19	16.08.19	
Shipment	16.01.19	08.05.19	28.08.19	09.10.19	
Deadline for receipt of data	30.01.19	22.05.19	11.09.19	25.10.19	

209 Haematology 03 – Blood Cell Count – QBC System

Dorn-Beineke / Nebe

2 samples of control blood		45,00€ / Survey 30,00€ additional sample			
Haematocrit centrif.	Haemoglobin	Leucocytes		Thrombocytes	
		Mar. (2)	May (3)	July (4)	Oct. (6)
Deadline for registration		18.01.19	22.03.19	17.05.19	23.08.19
Shipment		06.03.19	08.05.19	03.07.19	09.10.19
Deadline for receipt of data		13.03.19	15.05.19	10.07.19	16.10.19

participation according to Rili-BÄK: quarterly

216 Haematology 04 – Reticulocyte Analysis 02 (Machine-Based Analysis)

Nebe / Gutensohn

2 samples for automated reticulocyte counting by cell analysers		85,00€ / Survey 68,00€ additional sample			
	Jan. (1)	May (3)	Sep. (5)	Oct. (6)	
Deadline for registration	23.11.18	15.03.19	05.07.19	16.08.19	
Shipment	22.01.19	14.05.19	03.09.19	15.10.19	
Deadline for receipt of data	30.01.19	22.05.19	11.09.19	23.10.19	

612 Haematology 06 – Differential Blood Count (Machine-Based Analysis)

Dorn-Beineke / Nebe

2 samples of fresh whole blood from blood bank, overnight shipping		61,00€ / Survey 44,00€ additional sample			
Basophilic Granulocytes	Eosinophilic Granulocytes	Erythrocytes			
Haematocrit el.count	Haematocrit centrif.	Haemoglobin			
Leucocytes	Lymphocytes	MCV			
Monocytes	Neutrophilic Granulocytes	Thrombocytes			
Due to high demand two different sets of samples will be sent. The group number you receive will be set by INSTAND e.V. before each EQAS shipment. Both groups are equivalent.					
	Jan. (1)	May (3)	Sep. (5)	Oct. (6)	
Deadline for registration	23.11.18	15.03.19	05.07.19	16.08.19	
Shipment	22.01.19	14.05.19	03.09.19	15.10.19	
Deadline for receipt of data	30.01.19	22.05.19	11.09.19	23.10.19	

participation according to Rili-BÄK: quarterly

617

**Haematology 14 – Immunophenotyping 03
(T, B and NK cells in cellular products)**

Humpe / Gutensohn

2 samples, cellular products

105,00€ / Survey
79,00€ additional sample

For flow cytometric determination of T, B and NK cells in cellular products only

	May (3)	Oct. (6)
Deadline for registration	15.03.19	16.08.19
Shipment	14.05.19	15.10.19
Deadline for receipt of data	22.05.19	23.10.19

215

Haematology 05 – Reticulocyte Analysis 01 (Microscopy)

Nebe / Gutensohn

2 blood smears for microscopic analysis

69,00€ / Survey
48,00€ additional sample

	Jan. (1)	July (4)
Deadline for registration	21.11.18	10.05.19
Shipment	22.01.19	09.07.19
Deadline for receipt of data	30.01.19	17.07.19

213

Haematology 10 – Immunophenotyping 01

Kern / Schabath

2 samples, control blood

98,00€ / Survey
63,00€ additional sample

Lymphocyte-immunophenotyping – peripheral blood:

B-Lymphocytes	CD4 pos. lymphocytes with CD3-expression	CD4 pos. lymphocytes with CD3-expression
CD4 pos. lymphocytes with CD3-expression	Leucocytes	CD8 pos. lymphocytes with CD3-expression
Leucocytes	NK-cells without CD3-expression	Lymphocytes
NK-cells without CD3-expression		T-lymphocytes

**participation according to Rili-BÄK:
half-yearly**
EQA results can only be submitted online!

	Mar. (2)	Sep. (5)
Deadline for registration	11.01.19	05.07.19
Shipment	12.03.19	03.09.19
Deadline for receipt of data	20.03.19	11.09.19

217

Haematology 11 – Stem/Progenitor Cells (CD 34)

Gutensohn / Humpe

2 samples, human blood

99,00€ / Survey
68,00€ additional sample

For flow cytometric determination of CD34+ stem and progenitor cells; vitality measurements

	Jan. (1)	Mar. (2)	July (4)	Sep. (5)
Deadline for registration	21.11.18	11.01.19	10.05.19	05.07.19
Shipment	22.01.19	12.03.19	09.07.19	03.09.19
Deadline for receipt of data	30.01.19	20.03.19	17.07.19	11.09.19

214 Haematology 12 – Immunophenotyping 02

Schabath / Kern

Sample I and II: bone marrow or blood smears and leukaemia or lymphoma cells	115,00€ / Survey 62,00€ additional sample	
Immunophenotyping of leukemias/lymphomas		
Immunophenotyping of Hematologic Neoplasms		
EQA results can only be submitted online!		
	Mar. (2)	Sep. (5)
Deadline for registration	11.01.19	05.07.19
Shipment	12.03.19	03.09.19
Deadline for receipt of data	20.03.19	11.09.19

210 Haematology 15 – Haemoglobinopathies

Frömmel / Brunner-Agten / Huber

2 samples of whole blood	41,00€ / Survey additional sample not available	
Evaluation and diagnosis		
	June (3)	Nov. (6)
Deadline for registration	08.03.19	09.08.19
Shipment	08.05.19	09.10.19
Deadline for receipt of data	07.06.19	08.11.19

616 Haematology 13 – PNH Diagnostics

Höchsmann / Nebe

2 samples, EDTA blood	120,00€ / Survey 110,00€ additional sample	
GPI-deficient cells		
Due to high demand 3 different sets of samples will be sent (No. 616 = No. 916 or No. 917).		
The group number you receive will be set by INSTAND e.V. before each EQAS shipment. All groups are equivalent!		
	May (3)	Oct. (6)
Deadline for registration	15.03.19	16.08.19
Shipment	14.05.19	15.10.19
Deadline for receipt of data	29.05.19	30.10.19

221 Haemostasis 01 – TPT, INR, aPTT

Spannagl / Dick

2 samples of 1 ml plasma, lyophilised

45,00€ / Survey
45,00€ additional sample

Global test I: PT (TPZ), aPTT

No. 221 is only for measuring in plasma samples. For measurements of whole blood in POCT systems, please register for No. 286!

Maximum order: 2 sets of samples
participation according to Rili-BÄK: quarterly

	Jan. (1)	Mar. (2)	May (3)	July (4)	Sep. (5)	Oct. (6)
Deadline for registration	23.11.18	11.01.19	08.03.19	03.05.19	28.06.19	16.08.19
Shipment	16.01.19	06.03.19	08.05.19	03.07.19	28.08.19	09.10.19
Deadline for receipt of data	30.01.19	20.03.19	22.05.19	17.07.19	11.09.19	23.10.19

222 Haemostasis 02 – FIB, TZ, FSP

Spannagl / Dick

2 samples of 1 ml plasma, lyophilised

48,00€ / Survey
29,00€ additional sample

Global test II: TZ, FIB, FSP screening FSP screening, using batroxobin time or heparin-independent thrombin time

Maximum order: 2 sets of samples

	Jan. (1)	May (3)	Sep. (5)	Oct. (6)
Deadline for registration	23.11.18	08.03.19	28.06.19	16.08.19
Shipment	16.01.19	08.05.19	28.08.19	09.10.19
Deadline for receipt of data	30.01.19	22.05.19	11.09.19	23.10.19

223 Haemostasis 03 – Factor II, V, VII,X

Spannagl / Dick

2 samples of 1 ml plasma, lyophilised

55,00€ / Survey
29,00€ additional sample

Single factors A (via PT): factor II, factor V, factor VII, factor X

Maximum order: 2 sets of samples

	Jan. (1)	May (3)	Sep. (5)	Oct. (6)
Deadline for registration	23.11.18	08.03.19	28.06.19	16.08.19
Shipment	16.01.19	08.05.19	28.08.19	09.10.19
Deadline for receipt of data	30.01.19	22.05.19	11.09.19	23.10.19

224 Haemostasis 04 – Factor IX, XI, XII, XIII

Spannagl / Dick

2 samples of 1 ml plasma, lyophilised

55,00€ / Survey
29,00€ additional sample

Single factors B (via APTT, etc.): factor IX, factor XI, factor XII, factor XIII

Maximum order: 2 sets of samples

	Jan. (1)	May (3)	Sep. (5)	Oct. (6)
Deadline for registration	23.11.18	08.03.19	28.06.19	16.08.19
Shipment	16.01.19	08.05.19	28.08.19	09.10.19
Deadline for receipt of data	30.01.19	22.05.19	11.09.19	23.10.19

225

Haemostasis 05 – AT, Protein C, Protein S, C1-Inhibitor

Spannagl / Dick

2 samples of 1 ml plasma, lyophilised						48,00€ / Survey 29,00€ additional sample
Inhibitors (AT, PC, PS)						Maximum order: 2 sets of samples
Antithrombin Free Protein S immun. (conc.)	C1-Inhibitor Total Protein C	Free Protein S funct. (act.) Protein S total				
	Jan. (1)	May (3)	Sep. (5)	Oct. (6)		
Deadline for registration	23.11.18	08.03.19	28.06.19	16.08.19		
Shipment	16.01.19	08.05.19	28.08.19	09.10.19		
Deadline for receipt of data	30.01.19	22.05.19	11.09.19	23.10.19		

226

Haemostasis 06 – D-Dimer

Spannagl / Peetz / Dick

2 samples of 0.5 ml or 1 ml plasma, lyophilised						39,00€ / Survey 29,00€ additional sample
D-Dimer (qualitative)			D-Dimer (quantitative)			Maximum order: 2 sets of samples
	Jan. (1)	May (3)	Sep. (5)	Oct. (6)		
Deadline for registration	23.11.18	08.03.19	28.06.19	16.08.19		
Shipment	16.01.19	08.05.19	28.08.19	09.10.19		
Deadline for receipt of data	30.01.19	22.05.19	11.09.19	23.10.19		

227

Haemostasis 07 – Factor VIII, WF

Spannagl / Dick

2 samples of 1 ml plasma, lyophilised						47,00€ / Survey 29,00€ additional sample
Factor VIII akt. Willebrand fact. CBA	Willebrand fact. Ag Willebrand fact. RiCof	Willebrand fact. activity				Maximum order: 2 sets of samples
	Jan. (1)	May (3)	Sep. (5)	Oct. (6)		
Deadline for registration	23.11.18	08.03.19	28.06.19	16.08.19		
Shipment	16.01.19	08.05.19	28.08.19	09.10.19		
Deadline for receipt of data	30.01.19	22.05.19	11.09.19	23.10.19		

230

Haemostasis 10 – Argatroban

Peetz / Spannagl

2 samples of 1 ml plasma, lyophilised						31,00€ / Survey 19,00€ additional sample
aPTT	Argatroban	Thrombin time				Maximum order: 2 sets of samples
	Jan. (1)	May (3)	Sep. (5)	Oct. (6)		
Deadline for registration	23.11.18	08.03.19	28.06.19	16.08.19		
Shipment	16.01.19	08.05.19	28.08.19	09.10.19		
Deadline for receipt of data	30.01.19	22.05.19	11.09.19	23.10.19		

280

Haemostasis 12 – UF Heparin

Peetz / Spannagl

2 samples of 1 ml plasma, lyophilised					31,00€ / Survey 19,00€ additional sample
aPTT	Thrombin time		UF Heparin		Maximum order: 2 sets of samples
	Jan. (1)	May (3)	Sep. (5)	Oct. (6)	
Deadline for registration	23.11.18	08.03.19	28.06.19	16.08.19	
Shipment	16.01.19	08.05.19	28.08.19	09.10.19	
Deadline for receipt of data	30.01.19	22.05.19	11.09.19	23.10.19	

281

Haemostasis 13 – LMW Heparin

Peetz / Spannagl

2 samples of 1 ml plasma, lyophilised					31,00€ / Survey 19,00€ additional sample
LMW Heparin					Maximum order: 2 sets of samples
	Jan. (1)	May (3)	Sep. (5)	Oct. (6)	
Deadline for registration	23.11.18	08.03.19	28.06.19	16.08.19	
Shipment	16.01.19	08.05.19	28.08.19	09.10.19	
Deadline for receipt of data	30.01.19	22.05.19	11.09.19	23.10.19	

282

Haemostasis 14 – Orgaran

Peetz / Spannagl

2 samples of 1 ml plasma, lyophilised					31,00€ / Survey 19,00€ additional sample
Orgaran					Maximum order: 2 sets of samples
	Jan. (1)	May (3)	Sep. (5)	Oct. (6)	
Deadline for registration	23.11.18	08.03.19	28.06.19	16.08.19	
Shipment	16.01.19	08.05.19	28.08.19	09.10.19	
Deadline for receipt of data	30.01.19	22.05.19	11.09.19	23.10.19	

283

Haemostasis 15 – TEG/ROTEM

Spannagl / Dick

2 samples of 1 ml plasma, lyophilised					49,00€ / Survey 26,00€ additional sample
Extrinsic: A20 [mm]	Extrinsic: CT[s] r[min]				Maximum order: 2 sets of samples
Intrinsic: A20 [mm]	Intrinsic: CT[s] r[min]				
	Jan. (1)	May (3)	Sep. (5)	Oct. (6)	
Deadline for registration	23.11.18	08.03.19	28.06.19	16.08.19	
Shipment	16.01.19	08.05.19	28.08.19	09.10.19	
Deadline for receipt of data	30.01.19	22.05.19	11.09.19	23.10.19	

285

Haemostasis 17 – Compact

Spannagl / Dick

2 samples of 1 ml plasma, lyophilised					79,00€ / Survey 31,00€ additional sample
Antithrombin Thrombin time	aPTT TPZ INR	D-Dimer (quantitative) TPZ, Quick	Fibrinogen		Maximum order: 2 sets of samples
	Jan. (1)	May (3)	Sep. (5)	Oct. (6)	
Deadline for registration	23.11.18	08.03.19	28.06.19	16.08.19	participation according to Rili-BÄK: quarterly
Shipment	16.01.19	08.05.19	28.08.19	09.10.19	
Deadline for receipt of data	30.01.19	22.05.19	11.09.19	23.10.19	

288

Haemostasis 20 – Functional APC Resistance

Spannagl / Dick

2 samples of 1 ml plasma, lyophilised					25,00€ / Survey 25,00€ additional sample
Functional APC resistance					
APC resistance	Diagnostic comments				
	Jan. (1)	May (3)	Sep. (5)	Oct. (6)	
Deadline for registration	23.11.18	08.03.19	28.06.19	16.08.19	
Shipment	16.01.19	08.05.19	28.08.19	09.10.19	
Deadline for receipt of data	30.01.19	22.05.19	11.09.19	23.10.19	

501

Haemostasis 21 – Fondaparinux

Peetz / Spannagl / Dick

2 samples of 1 ml plasma, lyophilised					31,00€ / Survey 19,00€ additional sample
Fondaparinux					Maximum order: 2 sets of samples
		May (3)		Oct. (6)	
Deadline for registration		08.03.19		16.08.19	
Shipment		08.05.19		09.10.19	
Deadline for receipt of data		22.05.19		23.10.19	

502

Haemostasis 22 – Dabigatran

Peetz / Spannagl / Dick

2 samples of 1 ml plasma, lyophilised					31,00€ / Survey 19,00€ additional sample
Dabigatran					Maximum order: 2 sets of samples
		May (3)		Oct. (6)	
Deadline for registration		08.03.19		16.08.19	
Shipment		08.05.19		09.10.19	
Deadline for receipt of data		22.05.19		23.10.19	

503

Haemostasis 23 – Rivaroxaban

Peetz / Spannagl / Dick

2 samples of 1 ml plasma, lyophilised			31,00€ / Survey 19,00€ additional sample
Rivaroxaban			Maximum order: 2 sets of samples
	May (3)	Oct. (6)	
Deadline for registration	08.03.19	16.08.19	
Shipment	08.05.19	09.10.19	
Deadline for receipt of data	22.05.19	23.10.19	

504

Haemostasis 25 – Apixaban

Peetz / Spannagl / Dick

2 samples of 1 ml plasma, lyophilised			31,00€ / Survey 19,00€ additional sample
Apixaban			Maximum order: 2 sets of samples
	May (3)	Oct. (6)	
Deadline for registration	08.03.19	16.08.19	
Shipment	08.05.19	09.10.19	
Deadline for receipt of data	22.05.19	23.10.19	

509

Haemostasis 31 – ROTEM Sigma**NEW**

Spannagl / Dick

2*3 samples of 1 ml plasma, lyophilised					59,00€ / Survey 40,00€ additional sample
Extrinsic: A20 [mm]		Extrinsic: CT[s] r[min]			Maximum order: 2 sets of samples
Intrinsic: A20 [mm]		Intrinsic: CT[s] r[min]			
Participation only for device Rotem Sigma!					
	Jan. (1)	May (3)	Sep. (5)	Oct. (6)	
Deadline for registration	23.11.18	08.03.19	28.06.19	16.08.19	
Shipment	16.01.19	08.05.19	28.08.19	09.10.19	
Deadline for receipt of data	30.01.19	22.05.19	11.09.19	23.10.19	

505

Haemostasis 32 – Edoxaban**NEW**

Peetz / Spannagl / Dick

2 samples of 1 ml plasma, lyophilised			31,00€ / Survey 19,00€ additional sample
Edoxaban			Maximum order: 2 sets of samples
	May (3)	Oct. (6)	
Deadline for registration	08.03.19	16.08.19	
Shipment	08.05.19	09.10.19	
Deadline for receipt of data	22.05.19	23.10.19	

286 Haemostasis 18 – POCT

Giebl / Spannagl

2 samples of whole blood					32,00€ / Survey 28,00€ additional sample
Due to different detection techniques that are applied, not every sample material can be guaranteed to be suitable for every POCT machine. The machine microINR by the company Axon Lab is not suitable for this EQAS!					Maximum order: 2 sets of samples
ACT	aPTT	TPZ INR	TPZ, Quick		participation according to Rili-BÄK: quarterly
<u>EQA results can only be submitted online!</u>					
	Jan. (1)	May (3)	Sep. (5)	Nov. (6)	
Deadline for registration	09.11.18	01.03.19	28.06.19	30.08.19	
Shipment	22.01.19	14.05.19	03.09.19	05.11.19	
Deadline for receipt of data	24.01.19	16.05.19	05.09.19	07.11.19	

228 Haemostasis 08 – Lupus Anticoagulant

Spannagl / Dick

1 sample of plasma	189,00€ / yearly additional sample not available
Lupus anticoagulant	
Annual fee: 189€	
Samples and evaluation by ECAT, Voorschoten, Netherlands. Only annual subscription possible! Additional annual subscription fee (112.50€)!	
Please note: Cancellation of the order will not be possible with the end of the registration date!	
<u>EQA results can only be submitted online!</u>	
This EQAS will be carried out on four dates with sample dispatch on March 05, 2019, June 04, 2019, August 27, 2019 and November 12, 2019. The deadline for registration ends on December 12, 2018	

220 Haemostasis 11 – Factor VIII Inhibitor

Spannagl / Dick

2 samples of plasma	198,00€ / yearly additional sample not available
Factor VIII Inhibitor	
Annual fee: 198€	
Samples and evaluation by ECAT, Voorschoten, Netherlands. Only annual subscription possible! Additional annual subscription fee (112.50€)!	
Please note: Cancellation of the order will not be possible with the end of the registration date!	
<u>EQA results can only be submitted online!</u>	
This EQAS will be carried out on two dates with sample dispatch on June 04, 2019 and November 12, 2019. The deadline for registration ends on December 12, 2018	

287

Haemostasis 19 – HIT-I (Immunological Testing)

Spannagl / Kiefel

2 samples of plasma

114,00€ / yearly
additional sample not available

Different quantity on detection of antibodies or functional test.

Annual fee: 114€

Samples and evaluation by ECAT, Voorschoten, Netherlands. Only annual subscription possible!
Additional annual subscription fee (112.50€)!Please note: Cancellation of the order will not be possible with the end of the registration date!
EQA results can only be submitted online!**This EQAS will be carried out on one date with sample dispatch on August 27, 2019. The deadline for registration ends on December 12, 2018**

289

Haemostasis 24 – Thrombin Generation Test

Spannagl / Dick

3 samples of plasma

165,00€ / yearly
additional sample not available

Thrombin generation test

Annual fee: 165€

Samples and evaluation by ECAT, Voorschoten, Netherlands. Only annual subscription possible!
Additional annual subscription fee (112.50€)!Please note: Cancellation of the order will not be possible with the end of the registration date!
EQA results can only be submitted online!**This EQAS will be carried out on two dates with sample dispatch on June 04, 2019 and November 12, 2019. The deadline for registration ends on December 12, 2018**

510

Haemostasis 26 – ADAMTS13-I (Activity/Antigen)

Spannagl / Dick

2 samples of plasma

216,00€ / yearly
additional sample not available

ADAMTS13 (activity and antigen)

Annual fee: 216€

Samples and evaluation by ECAT, Voorschoten, Netherlands. Only annual subscription possible!
Additional annual subscription fee (112.50€)!Please note: Cancellation of the order will not be possible with the end of the registration date!
EQA results can only be submitted online!**This EQAS will be carried out on four dates with sample dispatch on March 05, 2019, June 04, 2019, August 27, 2019 and November 12, 2019. The deadline for registration ends on December 12, 2018**

511 Haemostasis 27 – ADAMTS13-II (Antibodies)

Spannagl / Dick

2 samples of plasma

138,00€ / yearly
additional sample not available

ADAMTS13 (Antibodies)

Annual fee: 138€

Samples and evaluation by ECAT, Voorschoten, Netherlands. Only annual subscription possible!
Additional annual subscription fee (112.50€)!Please note: Cancellation of the order will not be possible with the end of the registration date!
EQA results can only be submitted online!**This EQAS will be carried out on two dates with sample dispatch on June 04, 2019 and November 12, 2019. The deadline for registration ends on December 12, 2018****514 Haemostasis 30 – Factor IX Inhibitor**

Spannagl / Dick

2 samples of plasma

198,00€ / yearly
additional sample not available

Factor IX Inhibitor

Annual fee: 198€

Samples and evaluation by ECAT, Voorschoten, Netherlands. Only annual subscription possible!
Additional annual subscription fee (112.50€)!Please note: Cancellation of the order will not be possible with the end of the registration date!
EQA results can only be submitted online!**This EQAS will be carried out on two dates with sample dispatch on March 05, 2019 and August 27, 2019. The deadline for registration ends on December 12, 2018****512 Haemostasis 28 – Bleeding Disorder Case Study**

Spannagl / Dick

In cooperation with ECAT, Voorschoten, Netherlands.

Only available in German! International version available at www.ecat.nl98,00€ / Survey
additional sample not available**513 Haemostasis 29 – DNA for EQAS 512 (optional)**

Spannagl / Dick

In cooperation with ECAT, Voorschoten, Netherlands.

Only available in German! International version available at www.ecat.nl0,00€ / Survey
additional sample not available

630 ACE (Angiotensin-Converting-Enzyme)

Kuschak / N.N.

2 samples of 0,5 ml serum, liquid, stabilized					56,00€ / Survey additional sample not available
ACE					
	Mar. (2)	May (3)	July (4)	Oct. (6)	
Deadline for registration	11.01.19	08.03.19	03.05.19	16.08.19	
Shipment	06.03.19	08.05.19	03.07.19	09.10.19	
Deadline for receipt of data	20.03.19	22.05.19	17.07.19	23.10.19	

750 Markers of Ethanol Abuse 01

Luppa / Schneider

2 samples of serum, lyophilised					53,00€ / Survey 37,00€ additional sample
Asialotransferrin	Carbohydrate-deficient transferrin+Asialotransferrin		Disialotransferrin		
	Mar. (2)	May (3)	Sep. (5)	Oct. (6)	
Deadline for registration	11.01.19	08.03.19	28.06.19	16.08.19	
Shipment	06.03.19	08.05.19	28.08.19	09.10.19	
Deadline for receipt of data	20.03.19	22.05.19	11.09.19	23.10.19	

751 Markers of Ethanol Abuse 02

Luppa / Schneider

2 samples of 1 ml urine, lyophilised					41,00€ / Survey 29,00€ additional sample
Ethylglucuronid					
	Mar. (2)	May (3)	Sep. (5)	Oct. (6)	
Deadline for registration	11.01.19	08.03.19	28.06.19	16.08.19	
Shipment	06.03.19	08.05.19	28.08.19	09.10.19	
Deadline for receipt of data	20.03.19	22.05.19	11.09.19	23.10.19	

710 Amino Acid Analysis

Schadewaldt / Hennermann

2 samples of 1 ml, plasma, lyophilised		42,00€ / Survey 29,00€ additional sample
4-Hydroxyproline (free) alpha-Aminoadipic acid Asparagine b-Alanine Cysteine-Homocysteine-disulfide Glutamic acid Isoleucine Methionine Phosphoethanolamine Serine Tryptophan	Alanine Arginine Aspartic acid Citrulline Cystine Glycine Leucine Ornithine Proline Taurine Tyrosine	allo-Isoleucine Argininosuccinic acid Interpretation of results Cystathionine Glutamine Histidine Lysine Phenylalanine Sarcosine Threonine Valine
EQA results can only be submitted online!		
	May (3)	Oct. (6)
Deadline for registration	08.03.19	16.08.19
Shipment	08.05.19	09.10.19
Deadline for receipt of data	22.05.19	23.10.19

118 Ammonia

Falck / Nauck

2 samples of 1 ml, liquid controls		19,00€ / Survey 15,00€ additional sample				
Ammonia						
	Jan. (1)	Mar. (2)	May (3)	July (4)	Sep. (5)	Oct. (6)
Deadline for registration	30.11.18	11.01.19	08.03.19	03.05.19	28.06.19	16.08.19
Shipment	16.01.19	06.03.19	08.05.19	03.07.19	28.08.19	09.10.19
Deadline for receipt of data	30.01.19	20.03.19	22.05.19	17.07.19	11.09.19	23.10.19

322 Infection Serology – C-Reactive Protein

Hunfeld / N.N.

2 samples of 0.4 ml, serum		39,00€ / Survey additional sample not available			
C-reactive protein (qualitative)	C-Reactive Protein (quantitative)				
	Jan. (1)	May (3)	Sep. (5)	Oct. (6)	participation according to Rili-BÄK: quarterly
Deadline for registration	30.11.18	08.03.19	28.06.19	16.08.19	
Shipment	16.01.19	08.05.19	28.08.19	09.10.19	
Deadline for receipt of data	30.01.19	22.05.19	11.09.19	23.10.19	

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Biogenic Amine in Plasma

Maly / Lutz

2 samples of plasma				47,00€ / Survey 32,00€ additional sample	
Epinephrine	Dopamine	Norepinephrine	Serotonin		
		Mar. (2)	Sep. (5)		
Deadline for registration		11.01.19		28.06.19	
Shipment		06.03.19		28.08.19	
Deadline for receipt of data		20.03.19		11.09.19	

760

Myocardial Markers

Baum / Peetz

2 samples of 2 ml serum / plasma, lyophilised							64,00€ / Survey 40,00€ additional sample	
CK-MB (activity) Myoglobin Troponin I Troponin T (qualitative)	CK-MB (mass) Myoglobin (qualitative) Troponin I (qualitative)	CK-MB (qualitative) NT-pro BNP Troponin T					participation according to Rili-BÄK: quarterly	
	Jan. (1)	Mar. (2)	May (3)	July (4)	Sep. (5)	Oct. (6)		
Deadline for registration	30.11.18	11.01.19	08.03.19	03.05.19	28.06.19	16.08.19		
Shipment	16.01.19	06.03.19	08.05.19	03.07.19	28.08.19	09.10.19		
Deadline for receipt of data	30.01.19	20.03.19	22.05.19	17.07.19	11.09.19	23.10.19		

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Myocardial Markers BNP

Baum / Peetz

2 samples serum / plasma, lyophilised							33,00€ / Survey 33,00€ additional sample	
BNP								
	Jan. (1)	Mar. (2)	May (3)	July (4)	Sep. (5)	Oct. (6)		
Deadline for registration	30.11.18	11.01.19	08.03.19	03.05.19	28.06.19	16.08.19		
Shipment	16.01.19	06.03.19	08.05.19	03.07.19	28.08.19	09.10.19		
Deadline for receipt of data	30.01.19	20.03.19	22.05.19	17.07.19	11.09.19	23.10.19		

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Serum Proteins/Electrophoresis

Niederau / Schellenberg

2 samples of 5 ml serum, lyophilised							26,00€ / Survey 19,00€ additional sample	
a1-Globulins Albumin (electrophoresis) gamma-Globulins	a2-Globulins beta-Globulins	Albumin Protein					participation according to Rili-BÄK: quarterly	
	Jan. (1)	Mar. (2)	May (3)	July (4)	Sep. (5)	Oct. (6)		
Deadline for registration	30.11.18	11.01.19	08.03.19	03.05.19	28.06.19	16.08.19		
Shipment	16.01.19	06.03.19	08.05.19	03.07.19	28.08.19	09.10.19		
Deadline for receipt of data	30.01.19	20.03.19	22.05.19	17.07.19	11.09.19	23.10.19		

700 Ethanol

Schellenberg / Falck

2 samples of 2 ml, serum or plasma							36,00€ / Survey 20,00€ additional sample
Ethanol							participation according to Rili-BÄK: quarterly
	Jan. (1)	Mar. (2)	May (3)	July (4)	Sep. (5)	Oct. (6)	
Deadline for registration	30.11.18	11.01.19	08.03.19	03.05.19	28.06.19	16.08.19	
Shipment	16.01.19	06.03.19	08.05.19	03.07.19	28.08.19	09.10.19	
Deadline for receipt of data	30.01.19	20.03.19	22.05.19	17.07.19	11.09.19	23.10.19	

130 Fecal Diagnostics 01

Durner / Spannagl

2 fecal samples of 0.5-1 ml, lyophilised				45,00€ / Survey additional sample not available
Calprotectin	Calprotectin (qualitative)		Fecal elastase	
Fecal elastase (qualitative)				
	Mar. (2)	July (4)	Oct. (6)	
Deadline for registration	11.01.19	03.05.19	16.08.19	
Shipment	06.03.19	03.07.19	09.10.19	
Deadline for receipt of data	20.03.19	17.07.19	23.10.19	

131 Fecal Diagnostics 02

Durner / Spannagl

2 fecal samples of 0.5-1 ml, lyophilised				45,00€ / Survey additional sample not available
Haemoglobin	Hemoglobin-Haptoglobin-complex (qualitative)		Hemoglobin-Haptoglobin-complex Haemoglobin (qualitative)	
Hemoglobin-Haptoglobin-complex (qualitative)				
	Mar. (2)	Oct. (6)		
Deadline for registration	11.01.19	16.08.19		
Shipment	06.03.19	09.10.19		
Deadline for receipt of data	20.03.19	23.10.19		

146 Fructosamine

Niederau / Kaiser

2 samples of serum, lyophilised					19,00€ / Survey 14,00€ additional sample
Fructosamine					
	Jan. (1)	May (3)	Sep. (5)	Oct. (6)	
Deadline for registration	30.11.18	08.03.19	28.06.19	16.08.19	
Shipment	16.01.19	08.05.19	28.08.19	09.10.19	
Deadline for receipt of data	30.01.19	22.05.19	11.09.19	23.10.19	

2 samples of 1 ml, plasma		42,00€ / Survey 26,00€ additional sample			
Free light chains type kappa (quantitative) Gammopathies IgG kappa/lambda (ratio)	Free light chains type lambda (quantitative) IgA IgM				
	Jan. (1)	May (3)	July (4)	Oct. (6)	
Deadline for registration	30.11.18	08.03.19	03.05.19	16.08.19	
Shipment	16.01.19	08.05.19	03.07.19	09.10.19	
Deadline for receipt of data	30.01.19	22.05.19	17.07.19	23.10.19	

2 samples of 5 ml serum, lyophilised		28,00€ / Survey 17,00€ additional sample				
Glucose		participation according to Rili-BÄK: quarterly				
	Jan. (1)	Mar. (2)	May (3)	July (4)	Sep. (5)	Oct. (6)
Deadline for registration	30.11.18	11.01.19	08.03.19	03.05.19	28.06.19	16.08.19
Shipment	16.01.19	06.03.19	08.05.19	03.07.19	28.08.19	09.10.19
Deadline for receipt of data	30.01.19	20.03.19	22.05.19	17.07.19	11.09.19	23.10.19

2 samples of pulverized material		38,00€ / Survey 26,00€ additional sample			
		May (3)			Oct. (6)
Deadline for registration		08.03.19			16.08.19
Shipment		08.05.19			09.10.19
Deadline for receipt of data		22.05.19			23.10.19

2 samples of 1 ml, serum		43,00€ / Survey 33,00€ additional sample			
IgG1	IgG2	IgG3		IgG4	
		May (3)			Oct. (6)
Deadline for registration		08.03.19			16.08.19
Shipment		08.05.19			09.10.19
Deadline for receipt of data		22.05.19			23.10.19

2 samples of serum (liquid)		39,00€ / Survey 32,00€ additional sample					
a1-Globulins beta-Globulins	a2-Globulins gamma-Globulins	Albumin (electrophoresis)					
	Jan. (1)	Mar. (2)	May (3)	July (4)	Sep. (5)	Oct. (6)	
Deadline for registration	30.11.18	11.01.19	08.03.19	03.05.19	28.06.19	16.08.19	
Shipment	16.01.19	06.03.19	08.05.19	03.07.19	28.08.19	09.10.19	
Deadline for receipt of data	30.01.19	20.03.19	22.05.19	17.07.19	11.09.19	23.10.19	

2 samples of 5 ml serum, lyophilised		47,00€ / Survey 22,00€ additional sample					
Albumin AP Chloride Iron binding capacity Acid phosphatase GOT HBDH Potassium LDH Sodium Prostatic acid Posphatase	Albumin (electrophoresis) Bilirubin Cholesterol Iron GGT GPT IgA Creatinine Lipase Osmolality Transferrine	Aldolase Bilirubin conj. CHE Protein GLDH Uric Acid IgG Copper Lithium Pancreas amylase Triglycerides	alpha – Amylase Calcium CK gamma-Globulins Glucose Urea IgM Lactate Magnesium Phosphate	participation according to Rili-BÄK: quarterly			
	Jan. (1)	Mar. (2)	May (3)	July (4)	Sep. (5)	Oct. (6)	
Deadline for registration	30.11.18	11.01.19	08.03.19	03.05.19	28.06.19	16.08.19	
Shipment	16.01.19	06.03.19	08.05.19	03.07.19	28.08.19	09.10.19	
Deadline for receipt of data	30.01.19	20.03.19	22.05.19	17.07.19	11.09.19	23.10.19	

2 samples serum / plasma, lyophilised		45,00€ / Survey 29,00€ additional sample					
Apolipoprotein A1 Cholesterol LDL-cholesterol Triglycerides	Apolipoprotein B HDL-cholesterol Lp (a)	Apolipoprotein E Homocystein Phospholipids	participation according to Rili-BÄK: quarterly				
	Jan. (1)	Mar. (2)	May (3)	July (4)	Sep. (5)	Oct. (6)	
Deadline for registration	30.11.18	11.01.19	08.03.19	03.05.19	28.06.19	16.08.19	
Shipment	16.01.19	06.03.19	08.05.19	03.07.19	28.08.19	09.10.19	
Deadline for receipt of data	30.01.19	20.03.19	22.05.19	17.07.19	11.09.19	23.10.19	

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Neonatal Bilirubin

Niederau / Falck

2 samples serum of 2 ml, lyophilised

35,00€ / Survey
23,00€ additional sample**Neonatal Bilirubin****participation according to Rili-BÄK:
quarterly**

	Jan. (1)	Mar. (2)	May (3)	July (4)	Sep. (5)	Oct. (6)
Deadline for registration	30.11.18	11.01.19	08.03.19	03.05.19	28.06.19	16.08.19
Shipment	16.01.19	06.03.19	08.05.19	03.07.19	28.08.19	09.10.19
Deadline for receipt of data	30.01.19	20.03.19	22.05.19	17.07.19	11.09.19	23.10.19

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Photometer Controls

Kaiser / Kramer

2 samples of potassium picrate solution

26,00€ / Survey
16,00€ additional sample

Wavelengths 334, 340, 365, 405 and 436 nm

	Jan. (1)	Mar. (2)	May (3)	July (4)	Sep. (5)	Oct. (6)
Deadline for registration	30.11.18	11.01.19	08.03.19	03.05.19	28.06.19	16.08.19
Shipment	16.01.19	06.03.19	08.05.19	03.07.19	28.08.19	09.10.19
Deadline for receipt of data	30.01.19	20.03.19	22.05.19	17.07.19	11.09.19	23.10.19

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Plasmaproteins 01

Schellenberg / Falck

2 samples of 1 ml, plasma

49,00€ / Survey
39,00€ additional sample

a1-Antitrypsine	a1-Glycoprotein	a2-Makroglobulin	C3-Complement
C4-Complement	Coeruloplasmin	C-Reactive Protein (quantitative)	Ferritin
Hemopexin	Haptoglobin	IgA	IGE
IgG	IgM	sTfR	Transferrine

**participation according to Rili-BÄK:
quarterly**

	Jan. (1)	Mar. (2)	May (3)	July (4)	Sep. (5)	Oct. (6)
Deadline for registration	30.11.18	11.01.19	08.03.19	03.05.19	28.06.19	16.08.19
Shipment	16.01.19	06.03.19	08.05.19	03.07.19	28.08.19	09.10.19
Deadline for receipt of data	30.01.19	20.03.19	22.05.19	17.07.19	11.09.19	23.10.19

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Plasmaproteins 02 – Cystatin-C

Schellenberg / Falck

2 samples, serum

13,00€ / Survey
additional sample not available

Cystatine-C

	Jan. (1)	Mar. (2)	May (3)	July (4)	Sep. (5)	Oct. (6)
Deadline for registration	30.11.18	11.01.19	08.03.19	03.05.19	28.06.19	16.08.19
Shipment	16.01.19	06.03.19	08.05.19	03.07.19	28.08.19	09.10.19
Deadline for receipt of data	30.01.19	20.03.19	22.05.19	17.07.19	11.09.19	23.10.19

240 Plasmaproteins 03 – hsCRP

Schellenberg / Falck

2 samples, serum							15,00€ / Survey additional sample not available
hsCRP							
	Jan. (1)	Mar. (2)	May (3)	July (4)	Sep. (5)	Oct. (6)	
Deadline for registration	30.11.18	11.01.19	08.03.19	03.05.19	28.06.19	16.08.19	
Shipment	16.01.19	06.03.19	08.05.19	03.07.19	28.08.19	09.10.19	
Deadline for receipt of data	30.01.19	20.03.19	22.05.19	17.07.19	11.09.19	23.10.19	

292 Tumor Markers

Holdenrieder / Peetz

2 samples of serum							58,00€ / Survey 43,00€ additional sample
AFP	beta-2-Microglobulin	CA 125	CA 15-3				participation according to Rili-BÄK: quarterly
CA 19-9	CA 72-4	CEA	CYFRA 21-1				
hCG intact	hCG intact +beta-hCG free	HE4	HER2/new				
NSE	PSA, free	PSA, total	PSA complex.				
ROMA-Score	S100	SCC	Thyreoglobulin				
TPA	TPS						
	Jan. (1)	Mar. (2)	May (3)	July (4)	Sep. (5)	Oct. (6)	
Deadline for registration	30.11.18	11.01.19	08.03.19	03.05.19	28.06.19	16.08.19	
Shipment	16.01.19	06.03.19	08.05.19	03.07.19	28.08.19	09.10.19	
Deadline for receipt of data	30.01.19	20.03.19	22.05.19	17.07.19	11.09.19	23.10.19	

299 Tumor Markers – Calcitonin/Pro-Gastrin-Releasing Peptide

Holdenrieder / Peetz

2 samples of serum							9,00€ / Survey 9,00€ additional sample
Calcitonin	Progastrin-releasing Peptide						
	Jan. (1)	Mar. (2)	May (3)	July (4)	Sep. (5)	Oct. (6)	
Deadline for registration	30.11.18	11.01.19	08.03.19	03.05.19	28.06.19	16.08.19	
Shipment	16.01.19	06.03.19	08.05.19	03.07.19	28.08.19	09.10.19	
Deadline for receipt of data	30.01.19	20.03.19	22.05.19	17.07.19	11.09.19	23.10.19	

293 Tumor Markers – PSA and Testosterone

Holdenrieder / Peetz

2 samples of serum							31,00€ / Survey 22,00€ additional sample
PSA, free	PSA, total	PSA complex.	Testosterone				participation according to Rili-BÄK: quarterly
	Jan. (1)	Mar. (2)	May (3)	July (4)	Sep. (5)	Oct. (6)	
Deadline for registration	30.11.18	11.01.19	08.03.19	03.05.19	28.06.19	16.08.19	
Shipment	16.01.19	06.03.19	08.05.19	03.07.19	28.08.19	09.10.19	
Deadline for receipt of data	30.01.19	20.03.19	22.05.19	17.07.19	11.09.19	23.10.19	

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Vitamins 01 (Serum)

Niederau / Schellenberg

2 samples of 5 ml serum, lyophilised		45,00€ / Survey 29,00€ additional sample			
1,25-OH Cholecalciferol Cobalamin (Vitamin B12) Pantothenic acid (Vitamin B5) Riboflavin (Vitamin B2)	25-OH CCF (Vitamin D) Folic acid Pyridoxal-5-phosphate (Vitamin B6) Thiamine total (Vitamin B1)	Biotin (Vitamin H) Holotranscobalamine Retinol (Vitamin A) Tocopherol (Vitamin E)			
	Jan. (1)	May (3)	July (4)	Oct. (6)	
Deadline for registration	30.11.18	08.03.19	03.05.19	16.08.19	
Shipment	16.01.19	08.05.19	03.07.19	09.10.19	
Deadline for receipt of data	30.01.19	22.05.19	17.07.19	23.10.19	

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Vitamins 02 (Whole Blood)

Niederau / Schellenberg

2 samples of 2 ml haemolysates, lyophilised		40,00€ / Survey 28,00€ additional sample			
Flavine Adenine Dinucleotide (FAD) Pyridoxal-5-phosphate (Vitamin B6) Thiamine total (Vitamin B1)	Flavine mononucleotid (FMN) Riboflavin (Vitamin B2) Thiaminpyrophosphat (TPP)				
	Jan. (1)	May (3)	July (4)	Oct. (6)	
Deadline for registration	30.11.18	08.03.19	03.05.19	16.08.19	
Shipment	16.01.19	08.05.19	03.07.19	09.10.19	
Deadline for receipt of data	30.01.19	22.05.19	17.07.19	23.10.19	

296

Vitamins 03 – Vitamin C

Niederau / Schellenberg

2 samples of 0,5 ml plasma		40,00€ / Survey 31,00€ additional sample			
Ascorbic acid (Vitamin C)					
	Jan. (1)	May (3)	July (4)	Oct. (6)	
Deadline for registration	30.11.18	08.03.19	03.05.19	16.08.19	
Shipment	16.01.19	08.05.19	03.07.19	09.10.19	
Deadline for receipt of data	30.01.19	22.05.19	17.07.19	23.10.19	

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Vitamins 04 – Methylmalonic Acid

Niederau / Schellenberg

2 samples of 1 ml, plasma		72,00€ / Survey 55,00€ additional sample			
Methylmalonic acid					
	Jan. (1)	May (3)	July (4)	Oct. (6)	
Deadline for registration	30.11.18	08.03.19	03.05.19	16.08.19	
Shipment	16.01.19	08.05.19	03.07.19	09.10.19	
Deadline for receipt of data	30.01.19	22.05.19	17.07.19	23.10.19	

245

Complement Analysis 01 (Auto-anti-C1q)

Prohaszka / Kirschfink

2 samples of 100 µl serum		51,00€ / Survey additional sample not available	
Auto-anti C1q (IgG)	Auto-anti C1q (IgG) (qualitative)		
	Mar. (2)	Nov. (6)	
Deadline for registration	11.01.19	16.08.19	
Shipment	06.03.19	09.10.19	
Deadline for receipt of data	05.04.19	08.11.19	

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Complement Analysis 02 (Functions and proteins)

Prohaszka / Kirschfink

2 samples of 1 ml serum (lyophilised)		51,00€ / Survey 51,00€ additional sample	
Alternative pathway C1q proteine Classical pathway Lectin pathway	C1 inhibitor: activity C3-Complement Complement factor H	C1 inhibitor: proteine C4-Complement Complement factor I	Maximum order: 3 sets of samples
<p>Analysis of the total function of the 3 complement activation pathways (classical, alternative and lectin pathways) either by functional ELISA (WIELISA), by haemolytic (CH50, AH50) or by liposome-based assay (CH50). Participation with one parameter (e.g. CH50) is possible.</p>			
	Mar. (2)	Nov. (6)	
Deadline for registration	11.01.19	16.08.19	
Shipment	06.03.19	09.10.19	
Deadline for receipt of data	05.04.19	08.11.19	

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Complement Analysis 03 (Complement activation products)

Prohaszka / Kirschfink

2 samples of 500 µl plasma (lyophilised)		51,00€ / Survey 51,00€ additional sample	
Bb	C3a	C3d	sC5b-9
			Nov. (6)
Deadline for registration		16.08.19	
Shipment		09.10.19	
Deadline for receipt of data		08.11.19	

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Complement Analysis 04 (C3 – nephritic factor)

Prohaszka / Kirschfink

2 samples of 150 µl serum		31,00€ / Survey additional sample not available	
C3-nephritic factor (qualitative)	C3-nephritic factor (quantitative)		
		Nov. (6)	
Deadline for registration		16.08.19	
Shipment		09.10.19	
Deadline for receipt of data		08.11.19	

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Complement Analysis 05 (Auto-anti FH)

Prohaszka / Kirschfink

2 samples of 300 µl serum		31,00€ / Survey additional sample not available
Auto-anti FH (qualitative)	Auto-anti FH (quantitative)	
		Nov. (6)
Deadline for registration		16.08.19
Shipment		09.10.19
Deadline for receipt of data		08.11.19

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Complement Analysis 06 (anti – C1 inhibitor)

Prohaszka / Kirschfink

2 samples of 100 µl serum		31,00€ / Survey additional sample not available
Auto-anti-C1 inhibitor IgA (qualitative)	Auto-anti-C1 inhibitor IgA (quantitative)	
Auto-anti-C1 inhibitor IgG (qualitative)	Auto-anti-C1 inhibitor IgG (quantitative)	
Auto-anti-C1 inhibitor IgM (qualitative)	Auto-anti-C1 inhibitor IgM (quantitative)	
		Nov. (6)
Deadline for registration		16.08.19
Shipment		09.10.19
Deadline for receipt of data		08.11.19

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HbA1c

Kaiser / Kramer

2 samples of EDTA whole blood, 0.3 ml (not stabilized)		46,00€ / Survey 32,00€ additional sample				
HbA1c						
The samples must be measured within 2 days of receipt!		participation according to Rili-BÄK: quarterly				
	Jan. (1)	Mar. (2)	May (3)	July (4)	Sep. (5)	Oct. (6)
Deadline for registration	23.11.18	18.01.19	15.03.19	10.05.19	05.07.19	16.08.19
Shipment	22.01.19	19.03.19	14.05.19	09.07.19	03.09.19	15.10.19
Deadline for receipt of data	25.01.19	22.03.19	17.05.19	12.07.19	06.09.19	18.10.19

TRACE ELEMENTS

205 Trace Elements 01 (Urine)

Kaiser / Kramer

2 samples of 10 ml, lyophilised					81,00€ / Survey 64,00€ additional sample
Aluminium Fluoride Manganese	Arsenic Iodine Nickel	Lead Cadmium Mercury	Chromium Cobalt Selenium	Iron Copper Zinc	
Mar. (2)			Oct. (6)		
Deadline for registration		11.01.19	16.08.19		
Shipment		06.03.19	09.10.19		
Deadline for receipt of data		27.03.19	30.10.19		

206 Trace Elements 02 (Plasma)

Kaiser / Kramer

2 samples of 5 ml, lyophilised					57,00€ / Survey 33,00€ additional sample
Aluminium Gold Manganese	Arsenic Iodine Nickel	Chromium Cadmium Platinum	Iron Cobalt Selenium	Fluoride Copper Zinc	
Mar. (2)			Oct. (6)		
Deadline for registration		11.01.19	16.08.19		
Shipment		06.03.19	09.10.19		
Deadline for receipt of data		27.03.19	30.10.19		

207 Trace Elements 03 (Serum)

Kaiser / Kramer

2 samples of 5 ml, lyophilised						42,00€ / Survey 30,00€ additional sample
Antimon	Beryllium	Bismuth	Molybdenum	Vanadium	Tin	
Mar. (2)			Oct. (6)			
Deadline for registration		11.01.19	16.08.19			
Shipment		06.03.19	09.10.19			
Deadline for receipt of data		27.03.19	30.10.19			

208 Trace Elements 04 (Whole Blood)

Kaiser / Kramer

2 samples of 5 ml whole blood, lyophilised						42,00€ / Survey 30,00€ additional sample
Antimon Magnesium	Arsenic Manganese	Lead Nickel	Chromium Mercury	Cadmium Selenium	Cobalt Zinc	
Mar. (2)			Oct. (6)			
Deadline for registration		11.01.19	16.08.19			
Shipment		06.03.19	09.10.19			
Deadline for receipt of data		27.03.19	30.10.19			

626 Hematopoetic Growth Factors

Wenzel / Geisen

2 samples of 1 ml serum, lyophilised		119,00€ / Survey additional sample not available	
Erythropoietin	Thrombopoietin		
		May (3)	Oct. (6)
Deadline for registration		08.03.19	16.08.19
Shipment		08.05.19	09.10.19
Deadline for receipt of data		22.05.19	23.10.19

304 Hormones – Aldosterone

Luppa / Schneider

2 samples of serum		18,00€ / Survey 14,00€ additional sample	
Aldosterone			
		Jan. (1)	Mar. (2)
		May (3)	July (4)
		Sep. (5)	Oct. (6)
Deadline for registration		30.11.18	11.01.19
Shipment		16.01.19	06.03.19
Deadline for receipt of data		30.01.19	20.03.19
		08.03.19	03.05.19
		08.05.19	03.07.19
		22.05.19	17.07.19
		28.06.19	28.08.19
		11.09.19	23.10.19

301 Hormones – Calcium Metabolism / Special Thyroid

Durner / Luppa

2 samples of 3 ml serum, lyophilised		39,00€ / Survey 24,00€ additional sample	
1-84 PTH	Calcitonin	Thyreoglobulin	
		Jan. (1)	May (3)
		July (4)	Oct. (6)
Deadline for registration		30.11.18	08.03.19
Shipment		16.01.19	08.05.19
Deadline for receipt of data		30.01.19	22.05.19
		03.05.19	16.08.19
		03.07.19	09.10.19
		17.07.19	23.10.19

297 Hormones – Fertility

Maly / Lutz

2 samples of 3 ml serum / plasma, lyophilised		36,00€ / Survey 29,00€ additional sample	
anti-Mullerian hormone	FSH	LH	
		Mar. (2)	May (3)
		Sep. (5)	Oct. (6)
Deadline for registration		11.01.19	08.03.19
Shipment		06.03.19	08.05.19
Deadline for receipt of data		20.03.19	22.05.19
		28.06.19	16.08.19
		28.08.19	09.10.19
		11.09.19	23.10.19

participation according to Rili-BÄK:
quarterly

298 Hormones – Adrenal Gland/Pituitary

Luppá / Schneider

2 samples of 3 or 5 ml serum / plasma, lyophilised						32,00€ / Survey 24,00€ additional sample
1-39 ACTH	DHEA	DHEA-S	HGH	Prolactine (3. IS)		
		Mar. (2)	May (3)	Sep. (5)	Oct. (6)	
Deadline for registration		11.01.19	08.03.19	28.06.19	16.08.19	
Shipment		06.03.19	08.05.19	28.08.19	09.10.19	
Deadline for receipt of data		20.03.19	22.05.19	11.09.19	23.10.19	

300 Hormones – Pancreas/Gastrointestinal Tract

Durner / Luppá

2 samples of 5 ml serum / plasma, lyophilised						32,00€ / Survey 25,00€ additional sample
C-Peptide	Gastrin	Glucagon	Insulin	Pro-insuline		
	Jan. (1)	May (3)	July (4)	Oct. (6)		
Deadline for registration	30.11.18	08.03.19	03.05.19	16.08.19		
Shipment	16.01.19	08.05.19	03.07.19	09.10.19		
Deadline for receipt of data	30.01.19	22.05.19	17.07.19	23.10.19		

294 Hormones – Thyroid Hormones

Durner / Luppá

2 samples of 5 ml of serum / plasma, lyophilised							39,00€ / Survey 26,00€ additional sample
free T3 T4 total (thyroxine)	free T4 TSH	T3 total					participation according to Rili-BÄK: quarterly
	Jan. (1)	Mar. (2)	May (3)	July (4)	Sep. (5)	Oct. (6)	
Deadline for registration	30.11.18	11.01.19	08.03.19	03.05.19	28.06.19	16.08.19	
Shipment	16.01.19	06.03.19	08.05.19	03.07.19	28.08.19	09.10.19	
Deadline for receipt of data	30.01.19	20.03.19	22.05.19	17.07.19	11.09.19	23.10.19	

295 Hormones – Thyroid Gland Antibodies

Durner / Luppá

2 samples of 1 ml of serum / plasma, lyophilised						43,00€ / Survey 32,00€ additional sample
anti-microsomes	anti-tyreoglobulin	anti-TPO	TRAK/THYBIA			
	Jan. (1)	May (3)	July (4)	Oct. (6)		
Deadline for registration	30.11.18	08.03.19	03.05.19	16.08.19		
Shipment	16.01.19	08.05.19	03.07.19	09.10.19		
Deadline for receipt of data	30.01.19	22.05.19	17.07.19	23.10.19		

305

Hormones – Gravidity – 1st Trimester Screening

Maly / Lutz

2 samples of serum / plasma		78,00€ / Survey 58,00€ additional sample			
Free beta-chain hCG	PAPP-A	participation according to Rili-BÄK: quarterly			
		Mar. (2)	May (3)	Sep. (5)	Oct. (6)
Deadline for registration		11.01.19	08.03.19	28.06.19	16.08.19
Shipment		06.03.19	08.05.19	28.08.19	09.10.19
Deadline for receipt of data		20.03.19	22.05.19	11.09.19	23.10.19

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Hormones – Gravidity – 2nd Trimester Screening

Maly / Lutz

2 samples of serum / plasma		78,00€ / Survey 58,00€ additional sample			
AFP Free Estriol	hCG intact Total Estriol	hCG intact +beta-hCG free			
		Mar. (2)	May (3)	Sep. (5)	Oct. (6)
Deadline for registration		11.01.19	08.03.19	28.06.19	16.08.19
Shipment		06.03.19	08.05.19	28.08.19	09.10.19
Deadline for receipt of data		20.03.19	22.05.19	11.09.19	23.10.19

302

Hormones – Steroid Homones, Thyroid Gland

Luppa / Schneider

2 samples of 2–3 ml serum, lyophilised		39,00€ / Survey 28,00€ additional sample					
17-beta-Estradiol free T4 Progesterone	Cortisol T3 total Testosterone	free T3 T4 total (thyroxine) TSH					
		Jan. (1)	Mar. (2)	May (3)	July (4)	Sep. (5)	Oct. (6)
Deadline for registration		30.11.18	11.01.19	08.03.19	03.05.19	28.06.19	16.08.19
Shipment		16.01.19	06.03.19	08.05.19	03.07.19	28.08.19	09.10.19
Deadline for receipt of data		30.01.19	20.03.19	22.05.19	17.07.19	11.09.19	23.10.19

309

Hormones – Virilization

Maly / Lutz

2 samples of serum / plasma		67,00€ / Survey 58,00€ additional sample			
17-Hydroxyprogesterone	Androstenedione				
		Mar. (2)	May (3)	Sep. (5)	Oct. (6)
Deadline for registration		11.01.19	08.03.19	28.06.19	16.08.19
Shipment		06.03.19	08.05.19	28.08.19	09.10.19
Deadline for receipt of data		20.03.19	22.05.19	11.09.19	23.10.19

2 samples of 1 ml serum, lyophilised		79,00€ / Survey additional sample not available
PLGF (placental growth factor)	sFLT-1 (soluble fms-like tyrosine kinase-1)	
	May (3)	Oct. (6)
Deadline for registration	08.03.19	16.08.19
Shipment	08.05.19	09.10.19
Deadline for receipt of data	22.05.19	23.10.19

460

Cerebrospinal Fluid Analysis 01 – Protein Analysis

Uhr / Zimmermann

2 sets = CSF + serum

49,00€ / Survey
additional sample not available

(Evaluation of CSF/serum quotients in diagrams and age-related interpretation)

Albumin	Albumin – CSF	Protein – CSF
IgA	IgA – CSF	IgG
IgG – CSF	IgM	IgM – CSF

**participation according to Rili-BÄK:
quarterly**

Sample volumes in the CSF proficiency tests (No. 460-466) are limited as it is difficult to acquire large volumes of CSF.

	Jan. (1)	May (3)	Sep. (5)	Oct. (6)
Deadline for registration	30.11.18	08.03.19	28.06.19	16.08.19
Shipment	16.01.19	08.05.19	28.08.19	09.10.19
Deadline for receipt of data	30.01.19	22.05.19	11.09.19	23.10.19

462

Cerebrospinal Fluid Analysis 02 – Oligoclonal IgG

Uhr / Zimmermann

1 set of samples, CSF + serum

63,00€ / Survey
additional sample not available

(paired analysis of samples and interpretation)

Oligoclonal IgG

The acquisition of samples is demanding, as it is not possible to use pooled CSF, i.e. the samples are from individual patients (catheter, drainage, etc.).

**participation according to Rili-BÄK:
half-yearly**

	May (3)	Oct. (6)
Deadline for registration	08.03.19	16.08.19
Shipment	08.05.19	09.10.19
Deadline for receipt of data	22.05.19	23.10.19

463

Cerebrospinal Fluid Analysis 03 – MRZ Reaction

Uhr / Zimmermann

1 set of samples, CSF + serum

49,00€ / Survey
additional sample not available

Antibodies against Measles viruses, Rubella viruses, Varicella zoster viruses, Herpes simplex viruses (1+2). Analysis of virus-specific antibodies in CSF and serum for detection of specific antibody response in central nervous system (MRZ reaction).

Detection of titers is not suitable. Evaluation as antibody index and interpretation of combined data.

	May (3)	Oct. (6)
Deadline for registration	08.03.19	16.08.19
Shipment	08.05.19	09.10.19
Deadline for receipt of data	22.05.19	23.10.19

2 samples of 0.5 ml					32,00€ / Survey additional sample not available
Glucose	Glucose – diagnostic comment		Glucose quotient – diagnostic comment		participation according to Rili-BÄK: quarterly
Glucose quotient (CSF/Serum)	Lactate	Lactate – diagnostic comment			
Calculation of the CSF/serum ratio of glucose. Interpretation with respect to the reference range.					
	Jan. (1)	May (3)	Sep. (5)	Oct. (6)	
Deadline for registration	30.11.18	08.03.19	28.06.19	16.08.19	
Shipment	16.01.19	08.05.19	28.08.19	09.10.19	
Deadline for receipt of data	30.01.19	22.05.19	11.09.19	23.10.19	

1 set of samples, CSF + serum					62,00€ / Survey additional sample not available
Borrelia IgG Antibody Index (AI) calculation					participation according to Rili-BÄK: half-yearly
Detection of titers is not suitable. Calculation of antibody index and interpretation.					
		May (3)		Oct. (6)	
Deadline for registration		08.03.19		16.08.19	
Shipment		08.05.19		09.10.19	
Deadline for receipt of data		22.05.19		23.10.19	

1 CSF sample					44,00€ / Survey additional sample not available
Amyloid β Peptide 40 (A β 40)	Amyloid β Peptide 42 (A β 42)	Amyloid β Peptide Ratio			
Total Tau Protein (Tau)	PhosphoTau Protein (pTau)				
Neurochemical dementia diagnostics: Support for differential diagnosis of dementia by interpretation of the combined analysis of different marker proteins in CSF.					
		May (3)		Oct. (6)	
Deadline for registration		08.03.19		16.08.19	
Shipment		08.05.19		09.10.19	
Deadline for receipt of data		22.05.19		23.10.19	

194

Paracetamol and NSAIDs

Steimer / Schneider

4 samples of 2 ml serum, lyophilised		54,00€ / Survey 46,00€ additional sample			
Paracetamol	Salicylic acid				
	Jan. (1)	May (3)	July (4)	Oct. (6)	
Deadline for registration	30.11.18	08.03.19	03.05.19	16.08.19	
Shipment	16.01.19	08.05.19	03.07.19	09.10.19	
Deadline for receipt of data	30.01.19	22.05.19	17.07.19	23.10.19	

190

Antiarrhythmics – Amiodaron

Steimer / Schneider

2 samples of 3 ml serum, lyophilised		43,00€ / Survey 33,00€ additional sample			
Amiodarone	Desethylamiodarone				
	Jan. (1)	May (3)	July (4)	Oct. (6)	
Deadline for registration	30.11.18	08.03.19	03.05.19	16.08.19	
Shipment	16.01.19	08.05.19	03.07.19	09.10.19	
Deadline for receipt of data	30.01.19	22.05.19	17.07.19	23.10.19	

870

Respiratory Stimulants – Caffeine

Steimer / Schneider

2 samples of 2.5 ml serum, lyophilised		44,00€ / Survey 38,00€ additional sample			
Caffeine					
	Jan. (1)	May (3)	Sep. (5)	Oct. (6)	
Deadline for registration	30.11.18	08.03.19	28.06.19	16.08.19	
Shipment	16.01.19	08.05.19	28.08.19	09.10.19	
Deadline for receipt of data	30.01.19	22.05.19	11.09.19	23.10.19	

890

Antibacterials 02

NEW

Schneider / Steimer

2 samples of 2 ml serum, lyophilised		49,00€ / Survey 38,00€ additional sample			
Ampicillin Meropenem	Cefepime Piperacilline	Ceftazidime Sulbactam	Linezolid Tazobactam		
	Jan. (1)	May (3)	Sep. (5)	Oct. (6)	
Deadline for registration	30.11.18	08.03.19	28.06.19	16.08.19	
Shipment	16.01.19	08.05.19	28.08.19	09.10.19	
Deadline for receipt of data	30.01.19	22.05.19	11.09.19	23.10.19	

193 Antibacterials – Teicoplanin

Steimer / Schneider

2 samples of 2 ml serum, lyophilised					33,00€ / Survey 25,00€ additional sample
Teicoplanin					
	Jan. (1)	May (3)	July (4)	Oct. (6)	
Deadline for registration	30.11.18	08.03.19	03.05.19	16.08.19	
Shipment	16.01.19	08.05.19	03.07.19	09.10.19	
Deadline for receipt of data	30.01.19	22.05.19	17.07.19	23.10.19	

191 Anticonvulsants 01

Steimer / Schneider

2 samples of 3 ml serum, lyophilised					43,00€ / Survey 33,00€ additional sample
Lamotrigine	Levetiracetam	Sulthiame			
	Jan. (1)	May (3)	Sep. (5)	Oct. (6)	
Deadline for registration	30.11.18	08.03.19	28.06.19	16.08.19	
Shipment	16.01.19	08.05.19	28.08.19	09.10.19	
Deadline for receipt of data	30.01.19	22.05.19	11.09.19	23.10.19	

192 Anticonvulsants 02

Steimer / Schneider

2 samples of 3 ml serum, lyophilised					43,00€ / Survey 33,00€ additional sample
10-OH-Carbamazepine	Carbamazepine-epoxide	N-Desmethylnmethsuximide			
	Jan. (1)	May (3)	Sep. (5)	Oct. (6)	
Deadline for registration	30.11.18	08.03.19	28.06.19	16.08.19	
Shipment	16.01.19	08.05.19	28.08.19	09.10.19	
Deadline for receipt of data	30.01.19	22.05.19	11.09.19	23.10.19	

871 Anticonvulsants 03

Steimer / Schneider

2 samples of 2.5 ml serum, lyophilised					49,00€ / Survey 38,00€ additional sample
Eslicarbazepine	Felbamate	Lacosamide	Rufinamide		
	Jan. (1)	May (3)	Sep. (5)	Oct. (6)	
Deadline for registration	30.11.18	08.03.19	28.06.19	16.08.19	
Shipment	16.01.19	08.05.19	28.08.19	09.10.19	
Deadline for receipt of data	30.01.19	22.05.19	11.09.19	23.10.19	

872

Anticonvulsants 04

Steimer / Schneider

2 samples of 2.5 ml serum, lyophilised					49,00€ / Survey 38,00€ additional sample	
Gabapentin Vigabatrin	Pregabalin Zonisamide	Tiagabine	Topiramate			
	Jan. (1)	May (3)	Sep. (5)	Oct. (6)		
Deadline for registration	30.11.18	08.03.19	28.06.19	16.08.19		
Shipment	16.01.19	08.05.19	28.08.19	09.10.19		
Deadline for receipt of data	30.01.19	22.05.19	11.09.19	23.10.19		

198

Antifungals / Chloramphenicol

Steimer / Schneider

2 samples of 5 ml serum, lyophilised (+ 2 samples of 3 ml antibiotics)					53,00€ / Survey 45,00€ additional sample	
Chloramphenicol Posaconazole	Fluconazole Voriconazole	Flucytosine				
		May (3)	Oct. (6)			
Deadline for registration		08.03.19	16.08.19			
Shipment		08.05.19	09.10.19			
Deadline for receipt of data		22.05.19	23.10.19			

602

Antifungals / Immunosuppressants

von Ahsen / Kaiser

2 samples serum / plasma, lyophilised					35,00€ / Survey 27,00€ additional sample	
Hydroxy-Itraconazole	Itraconazole	Mycophenolic acid				
		Mar. (2)	Oct. (6)			
Deadline for registration		11.01.19	16.08.19			
Shipment		06.03.19	09.10.19			
Deadline for receipt of data		20.03.19	23.10.19			

200

Antipsychotic Drugs 01

Steimer / Schneider

2 samples of 2 ml serum, lyophilised							42,00€ / Survey 32,00€ additional sample	
Clozapine	N-Desmethylozapine							
	Jan. (1)	Mar. (2)	May (3)	July (4)	Sep. (5)	Oct. (6)		
Deadline for registration	30.11.18	11.01.19	08.03.19	03.05.19	28.06.19	16.08.19		
Shipment	16.01.19	06.03.19	08.05.19	03.07.19	28.08.19	09.10.19		
Deadline for receipt of data	30.01.19	20.03.19	22.05.19	17.07.19	11.09.19	23.10.19		

873 Antipsychotic Drugs 02

Steimer / Schneider

2 samples of 2.5 ml serum, lyophilised							49,00€ / Survey 38,00€ additional sample
Amisulpride Levomepromazine Sertraline	Desmethyl sertraline Pipamperone Ziprasidone	Fluvoxamine Reboxetine					
	Jan. (1)	Mar. (2)	May (3)	July (4)	Sep. (5)	Oct. (6)	
Deadline for registration	30.11.18	11.01.19	08.03.19	03.05.19	28.06.19	16.08.19	
Shipment	16.01.19	06.03.19	08.05.19	03.07.19	28.08.19	09.10.19	
Deadline for receipt of data	30.01.19	20.03.19	22.05.19	17.07.19	11.09.19	23.10.19	

874 Antipsychotic Drugs 03

Steimer / Schneider

2 samples of 2.5 ml serum, lyophilised							49,00€ / Survey 38,00€ additional sample
Desmethyl fluoxetine	Fluoxetine	Mianserine		Perazine			
	Jan. (1)	Mar. (2)	May (3)	July (4)	Sep. (5)	Oct. (6)	
Deadline for registration	30.11.18	11.01.19	08.03.19	03.05.19	28.06.19	16.08.19	
Shipment	16.01.19	06.03.19	08.05.19	03.07.19	28.08.19	09.10.19	
Deadline for receipt of data	30.01.19	20.03.19	22.05.19	17.07.19	11.09.19	23.10.19	

875 Antipsychotic Drugs 04

Steimer / Schneider

2 samples of 2.5 ml serum, lyophilised							49,00€ / Survey 38,00€ additional sample
Chlorprotixene	Desmethyl olanzapine	Olanzapine		Paroxetine			
	Jan. (1)	Mar. (2)	May (3)	July (4)	Sep. (5)	Oct. (6)	
Deadline for registration	30.11.18	11.01.19	08.03.19	03.05.19	28.06.19	16.08.19	
Shipment	16.01.19	06.03.19	08.05.19	03.07.19	28.08.19	09.10.19	
Deadline for receipt of data	30.01.19	20.03.19	22.05.19	17.07.19	11.09.19	23.10.19	

876 Benzodiazepines 01

Steimer / Schneider

2 samples of 2.5 ml serum, lyophilised					49,00€ / Survey 38,00€ additional sample
Alprazolam Nordiazepam	Chlordiazepoxide Oxazepam	Desalkylflurazepam Trazodone	Diazepam		
	Jan. (1)	May (3)	Sep. (5)	Oct. (6)	
Deadline for registration	30.11.18	08.03.19	28.06.19	16.08.19	
Shipment	16.01.19	08.05.19	28.08.19	09.10.19	
Deadline for receipt of data	30.01.19	22.05.19	11.09.19	23.10.19	

877

Benzodiazepines 02

Steimer / Schneider

2 samples of 2.5 ml serum, lyophilised						49,00€ / Survey 38,00€ additional sample
Clonazepam Nitrazepam	Flunitrazepam Temazepam	Flurazepam				
	Jan. (1)	May (3)	Sep. (5)	Oct. (6)		
Deadline for registration	30.11.18	08.03.19	28.06.19	16.08.19		
Shipment	16.01.19	08.05.19	28.08.19	09.10.19		
Deadline for receipt of data	30.01.19	22.05.19	11.09.19	23.10.19		

878

Benzodiazepines 03

Steimer / Schneider

2 samples of 2.5 ml serum, lyophilised						49,00€ / Survey 38,00€ additional sample
Bromazepam	Clobazam (Clobazepam)		Lorazepam			
	Jan. (1)	May (3)	Sep. (5)	Oct. (6)		
Deadline for registration	30.11.18	08.03.19	28.06.19	16.08.19		
Shipment	16.01.19	08.05.19	28.08.19	09.10.19		
Deadline for receipt of data	30.01.19	22.05.19	11.09.19	23.10.19		

601

Immunosuppressants

von Ahnen / Kaiser

3 samples of whole blood, lyophilised.						62,00€ / Survey 40,00€ additional sample
Cyclosporine A	Everolimus	Sirolimus		Tacrolimus		
	Mar. (2)				Oct. (6)	
Deadline for registration	11.01.19				16.08.19	
Shipment	06.03.19				09.10.19	
Deadline for receipt of data	20.03.19				23.10.19	

195

TDM 01

Steimer / Schneider / Kaiser

2 samples of 5 ml serum, lyophilised							52,00€ / Survey 31,00€ additional sample
Carbamacepine Phenobarbital Valproic Acid	Digoxin Phenytoin	Ethosuximide Primidon		Lithium Theophylline			participation according to Rili-BÄK: quarterly
	Jan. (1)	Mar. (2)	May (3)	July (4)	Sep. (5)	Oct. (6)	
Deadline for registration	30.11.18	11.01.19	08.03.19	03.05.19	28.06.19	16.08.19	
Shipment	16.01.19	06.03.19	08.05.19	03.07.19	28.08.19	09.10.19	
Deadline for receipt of data	30.01.19	20.03.19	22.05.19	17.07.19	11.09.19	23.10.19	

2 samples of 5 ml serum, lyophilised							44,00€ / Survey 30,00€ additional sample
Amicacin Tobramycin	Digitoxin Vancomycin	Gentamicin		Methotrexate			participation according to Rili-BÄK: quarterly
	Jan. (1)	Mar. (2)	May (3)	July (4)	Sep. (5)	Oct. (6)	
Deadline for registration	30.11.18	11.01.19	08.03.19	03.05.19	28.06.19	16.08.19	
Shipment	16.01.19	06.03.19	08.05.19	03.07.19	28.08.19	09.10.19	
Deadline for receipt of data	30.01.19	20.03.19	22.05.19	17.07.19	11.09.19	23.10.19	

860 Psychotherapeutic Drugs 01

Haen / N.N.

2 samples of 5 ml serum							48,00€ / Survey 36,00€ additional sample
10-OH-Carbamazepine O-Desmethylvenlafaxine	Aripiprazole Perazine	Citalopram Quetiapine		Lamotrigine Venlafaxine			
	Jan. (1)	May (3)	July (4)	Oct. (6)			
Deadline for registration	30.11.18	08.03.19	03.05.19	16.08.19			
Shipment	16.01.19	08.05.19	03.07.19	09.10.19			
Deadline for receipt of data	30.01.19	22.05.19	17.07.19	23.10.19			

861 Psychotherapeutic Drugs 02

Haen / N.N.

2 samples of 5 ml serum							48,00€ / Survey 36,00€ additional sample
Amisulpride Quetiapine	Escitalopram Venlafaxine	Mirtazapine		O-Desmethylvenlafaxine			
	Jan. (1)	May (3)	July (4)	Oct. (6)			
Deadline for registration	30.11.18	08.03.19	03.05.19	16.08.19			
Shipment	16.01.19	08.05.19	03.07.19	09.10.19			
Deadline for receipt of data	30.01.19	22.05.19	17.07.19	23.10.19			

862 Psychotherapeutic Drugs 03

Haen / N.N.

2 samples of 5 ml serum							48,00€ / Survey 36,00€ additional sample
9-OH-Risperidone / Paliperidone N-Desmethylozapine Ziprasidone	Clozapine Olanzapine	Duloxetine Quetiapine		Haloperidol Risperidone			
	Jan. (1)	May (3)	July (4)	Oct. (6)			
Deadline for registration	30.11.18	08.03.19	03.05.19	16.08.19			
Shipment	16.01.19	08.05.19	03.07.19	09.10.19			
Deadline for receipt of data	30.01.19	22.05.19	17.07.19	23.10.19			

863

Psychotherapeutic Drugs 04

Haen / N.N.

2 samples of 5 ml serum					48,00€ / Survey 36,00€ additional sample
Amitriptyline Doxepin Norclomipramine	Clomipramine Imipramine Nordoxepin	Clozapine Maprotiline Nortriptyline	Desipramine N-Desmethylozapine Trimipramine		
	Jan. (1)	May (3)	July (4)	Oct. (6)	
Deadline for registration	30.11.18	08.03.19	03.05.19	16.08.19	
Shipment	16.01.19	08.05.19	03.07.19	09.10.19	
Deadline for receipt of data	30.01.19	22.05.19	17.07.19	23.10.19	

879

Psychostimulants – ADHS-Treatment

Steimer / Schneider

2 samples of 2.5 ml serum, lyophilised					49,00€ / Survey 38,00€ additional sample
Atomoxetine	Methylphenidate	Ritalinic acid			
	Jan. (1)	May (3)	Sep. (5)	Oct. (6)	
Deadline for registration	30.11.18	08.03.19	28.06.19	16.08.19	
Shipment	16.01.19	08.05.19	28.08.19	09.10.19	
Deadline for receipt of data	30.01.19	22.05.19	11.09.19	23.10.19	

202

Tri-/Tetracyclic Antidepressants 03 – Quantitative in Serum

Steimer / Schneider

2 samples of 2,5 ml serum, lyophilised					26,00€ / Survey 20,00€ additional sample
Desipramine Maprotiline Tricyclic Antidepressants – Screen	Imipramine Normaprotiline				
	Jan. (1)	May (3)	July (4)	Oct. (6)	
Deadline for registration	30.11.18	08.03.19	03.05.19	16.08.19	
Shipment	16.01.19	08.05.19	03.07.19	09.10.19	
Deadline for receipt of data	30.01.19	22.05.19	17.07.19	23.10.19	

199

Tricyclic Antidepressants 01 – Quantitative in Serum

Steimer / Schneider

2 samples of 2,5 ml serum, lyophilised					26,00€ / Survey 20,00€ additional sample
Amitriptyline Norclomipramine Tricyclic Antidepressants – Screen	Clomipramine Nortriptyline				
	Jan. (1)	May (3)	July (4)	Oct. (6)	
Deadline for registration	30.11.18	08.03.19	03.05.19	16.08.19	
Shipment	16.01.19	08.05.19	03.07.19	09.10.19	
Deadline for receipt of data	30.01.19	22.05.19	17.07.19	23.10.19	

201 Tricyclic Antidepressants 02 – Quantitative in Serum

Steimer / Schneider

2 samples of 2,5 ml serum, lyophilised					26,00€ / Survey 20,00€ additional sample
Doxepin Nortrimipramine Tricyclic Antidepressants – Screen	Nordoxepin Trimipramine				
	Jan. (1)	May (3)	July (4)	Oct. (6)	
Deadline for registration	30.11.18	08.03.19	03.05.19	16.08.19	
Shipment	16.01.19	08.05.19	03.07.19	09.10.19	
Deadline for receipt of data	30.01.19	22.05.19	17.07.19	23.10.19	

203 Tricyclic Antidepressants 04 – Qualitative in Serum

Steimer / Schneider

2 samples of 2,5 ml serum, lyophilised							46,00€ / Survey 31,00€ additional sample
Tricyclic Antidepressants (qualitative)- Screening							participation according to Rili-BÄK: quarterly
May contain the following substances:							
Amitriptyline Imipramine Nortriptyline	Clomipramine Norclomipramine Trimipramine	Desipramine Nordoxepin	Doxepin Nortrimipramine				
	Jan. (1)	Mar. (2)	May (3)	July (4)	Sep. (5)	Oct. (6)	
Deadline for registration	30.11.18	11.01.19	08.03.19	03.05.19	28.06.19	16.08.19	
Shipment	16.01.19	06.03.19	08.05.19	03.07.19	28.08.19	09.10.19	
Deadline for receipt of data	30.01.19	20.03.19	22.05.19	17.07.19	11.09.19	23.10.19	

204 Tricyclic Antidepressants 05 – Qualitative in Urine

Steimer / Schneider

2 samples of 5 ml urine, lyophilised							46,00€ / Survey 31,00€ additional sample
Tricyclic Antidepressants (qualitative)- Screening							participation according to Rili-BÄK: quarterly
May contain the following substances:							
Amitriptyline Imipramine Nortriptyline	Clomipramine Norclomipramine Trimipramine	Desipramine Nordoxepin	Doxepin Nortrimipramine				
	Jan. (1)	Mar. (2)	May (3)	July (4)	Sep. (5)	Oct. (6)	
Deadline for registration	30.11.18	11.01.19	08.03.19	03.05.19	28.06.19	16.08.19	
Shipment	16.01.19	06.03.19	08.05.19	03.07.19	28.08.19	09.10.19	
Deadline for receipt of data	30.01.19	20.03.19	22.05.19	17.07.19	11.09.19	23.10.19	

2 samples of 1 – 3 ml, serum, lyophilised		112,00€ / Survey 89,00€ additional sample			
We will inform you in time about the current parameters for the determination from the list below.					
Atazanavir	Darunavir	Efavirenz	Elvitegravir		
Etravirine	Lopinavir	Maraviroc	Nevirapine		
Raltegravir	Ribavirine	Rilpivirine	Ritonavir		
	Mar. (2)	May (3)	Sep. (5)	Oct. (6)	
Deadline for registration	11.01.19	08.03.19	28.06.19	16.08.19	
Shipment	06.03.19	08.05.19	28.08.19	09.10.19	
Deadline for receipt of data	20.03.19	22.05.19	11.09.19	23.10.19	

2 samples of 3 ml urine, lyophilised		30,00€ / Survey 22,00€ additional sample			
Amphetamine (qualitative)	Amphetamine (quantitative)		participation according to Rili-BÄK: quarterly		
Barbiturate-phenobarbiturate (qualitative)	Barbiturate-phenobarbiturate (quantitative)				
Benzoyllecgonine (qualitative)	Benzoyllecgonine (quantitative)				
Opiate / Morphine (qualitative)	Opiate / Morphine (quantitative)				
	Jan. (1)	May (3)	July (4)	Oct. (6)	
Deadline for registration	30.11.18	08.03.19	03.05.19	16.08.19	
Shipment	16.01.19	08.05.19	03.07.19	09.10.19	
Deadline for receipt of data	30.01.19	22.05.19	17.07.19	23.10.19	

2 samples of 3 ml urine, lyophilised		30,00€ / Survey 22,00€ additional sample			
Buprenorphine (qualitative)	Buprenorphine (quantitative)		participation according to Rili-BÄK: quarterly		
(d-)Methamphetamine (qualitative)	(d-)Methamphetamine (quantitative)				
LSD (qualitative)	LSD (quantitative)				
Methadone (qualitative)	Methadone (quantitative)				
	Jan. (1)	May (3)	July (4)	Oct. (6)	
Deadline for registration	30.11.18	08.03.19	03.05.19	16.08.19	
Shipment	16.01.19	08.05.19	03.07.19	09.10.19	
Deadline for receipt of data	30.01.19	22.05.19	17.07.19	23.10.19	

2 samples of 3 ml urine, lyophilised					30,00€ / Survey 22,00€ additional sample
delta-9-THC-COOH (qualitative) Benzodiazepine Lorazepam (qualitative) EDDP (qualitative) MDMA (qualitative)		delta-9-THC-COOH (quantitative) Benzodiazepine Lorazepam (quantitative) EDDP (quantitative) MDMA (quantitative)			participation according to Rili-BÄK: quarterly
	Jan. (1)	May (3)	July (4)	Oct. (6)	
Deadline for registration	30.11.18	08.03.19	03.05.19	16.08.19	
Shipment	16.01.19	08.05.19	03.07.19	09.10.19	
Deadline for receipt of data	30.01.19	22.05.19	17.07.19	23.10.19	

2 samples of 10 ml urine (lyophilised)			88,00€ / Survey 58,00€ additional sample
Chromatographic analysis with identification of the active substance (STA)			participation according to Rili-BÄK: half-yearly
From a list of 30 substances, the proof of 6 – 8 substances with chromatographic methods is required in both samples.			
Samples and evaluation by Reference Institute for Bioanalytics, Bonn.			
	May (3)	Sep. (5)	
Deadline for registration	25.02.19	24.06.19	
Shipment	16.04.19	14.08.19	
Deadline for receipt of data	11.05.19	07.09.19	

161

Blood Gas Analysis

Luppa / Schneider

2 samples of 2.5 ml, liquid controls							39,00€ / Survey 24,00€ additional sample
Chloride Potassium Sodium	Glucose Creatinine pCO ₂	Urea Lactate pH	ionized Calcium Magnesium pO ₂				participation according to Rili-BÄK: quarterly
	Jan. (1)	Mar. (2)	May (3)	July (4)	Sep. (5)	Oct. (6)	
Deadline for registration	30.11.18	11.01.19	08.03.19	03.05.19	28.06.19	16.08.19	
Shipment	16.01.19	06.03.19	08.05.19	03.07.19	28.08.19	09.10.19	
Deadline for receipt of data	30.01.19	20.03.19	22.05.19	17.07.19	11.09.19	23.10.19	

162

Blood Gas Analysis – Haemoglobin

Dorn-Beineke / Nebe

2 samples of 2.5 ml, liquid controls							35,00€ / Survey 19,00€ additional sample
Fraction CO-Hb	Fraction Met-Hb	Fraction O ₂ -Hb	Haemoglobin				participation according to Rili-BÄK: quarterly
	Jan. (1)	Mar. (2)	May (3)	July (4)	Sep. (5)	Oct. (6)	
Deadline for registration	30.11.18	11.01.19	08.03.19	03.05.19	28.06.19	16.08.19	
Shipment	16.01.19	06.03.19	08.05.19	03.07.19	28.08.19	09.10.19	
Deadline for receipt of data	30.01.19	20.03.19	22.05.19	17.07.19	11.09.19	23.10.19	

163

Blood Gas Analysis OPTI Systems

Luppa / Schneider

2 samples of 1.7 ml, liquid controls							39,00€ / Survey 21,00€ additional sample
Chloride Potassium pH	Haemoglobin Lactate pO ₂	Urea Sodium sO ₂	ionized Calcium pCO ₂				participation according to Rili-BÄK: quarterly
	Jan. (1)	Mar. (2)	May (3)	July (4)	Sep. (5)	Oct. (6)	
Deadline for registration	30.11.18	11.01.19	08.03.19	03.05.19	28.06.19	16.08.19	
Shipment	16.01.19	06.03.19	08.05.19	03.07.19	28.08.19	09.10.19	
Deadline for receipt of data	30.01.19	20.03.19	22.05.19	17.07.19	11.09.19	23.10.19	

2 samples of plasma or whole blood

29,00€ / Survey
21,00€ additional sample

Glucose

Point of Care Testing Systems

**participation according to Rili-BÄK:
quarterly**

	Jan. (1)	Mar. (2)	May (3)	July (4)	Sep. (5)	Oct. (6)
Deadline for registration	30.11.18	11.01.19	08.03.19	03.05.19	28.06.19	16.08.19
Shipment	16.01.19	06.03.19	08.05.19	03.07.19	28.08.19	09.10.19
Deadline for receipt of data	30.01.19	20.03.19	22.05.19	17.07.19	11.09.19	23.10.19

2 samples of serum, lyophilised

40,00€ / Survey
27,00€ additional sample

Albumin	alpha – Amylase	AP	Bilirubin
Bilirubin conj.	Calcium	Chloride	Cholesterol
CK	Protein	GGT	Glucose
GOT	GPT	Uric Acid	Urea
HDL-cholesterol	Potassium	Creatinine	Lactate
LDH	LDL-cholesterol	Magnesium	Sodium
Phosphate	tCO2	Triglycerides	VLDL-cholesterol

**participation according to Rili-BÄK:
quarterly**

	Mar. (2)	May (3)	Sep. (5)	Oct. (6)
Deadline for registration	11.01.19	08.03.19	28.06.19	16.08.19
Shipment	06.03.19	08.05.19	28.08.19	09.10.19
Deadline for receipt of data	20.03.19	22.05.19	11.09.19	23.10.19

2 samples of serum, plasma, lyophilised

40,00€ / Survey
27,00€ additional sample

alpha – Amylase	AP	Bilirubin
Cholesterol	CK	GGT
Glucose	GOT	GPT
Uric Acid	Urea	HDL-cholesterol
Potassium	Creatinine	Pancreas amylase
Triglycerides		

**participation according to Rili-BÄK:
quarterly**

	Jan. (1)	Mar. (2)	May (3)	July (4)	Sep. (5)	Oct. (6)
Deadline for registration	30.11.18	11.01.19	08.03.19	03.05.19	28.06.19	16.08.19
Shipment	16.01.19	06.03.19	08.05.19	03.07.19	28.08.19	09.10.19
Deadline for receipt of data	30.01.19	20.03.19	22.05.19	17.07.19	11.09.19	23.10.19

171

Urine Chemistry 01 (Qualitative)

Fried / Niederau

2 samples urine, lyophilised / liquid					39,00€ / Survey 25,00€ additional sample	
Urine Albumin Protein hCG Nitrite Urobilinogen	Ascorbic acid Erythrocytes Ketone bodies pH	Bilirubin Glucose Leucocytes specif. gravity				
	Jan. (1)	May (3)	July (4)	Oct. (6)		
Deadline for registration	30.11.18	08.03.19	03.05.19	16.08.19		
Shipment	16.01.19	08.05.19	03.07.19	09.10.19		
Deadline for receipt of data	30.01.19	22.05.19	17.07.19	23.10.19		

173

Urine Chemistry 02 (Quantitative)

Fried / Falck

2 samples urine, lyophilised / liquid							40,00€ / Survey 22,00€ additional sample	
alpha-1-Microglobulin Chloride Uric Acid Potassium Microalbumin Phosphate	alpha – Amylase Iron Urea Creatinine Sodium Transferrine	beta-2-Microglobulin Protein hCG intact Copper Osmolality	Calcium Glucose IgG Magnesium Pancreas amylase				participation according to Rili-BÄK: quarterly	
	Jan. (1)	Mar. (2)	May (3)	July (4)	Sep. (5)	Oct. (6)		
Deadline for registration	30.11.18	11.01.19	08.03.19	03.05.19	28.06.19	16.08.19		
Shipment	16.01.19	06.03.19	08.05.19	03.07.19	28.08.19	09.10.19		
Deadline for receipt of data	30.01.19	20.03.19	22.05.19	17.07.19	11.09.19	23.10.19		

175

Urine chemistry 03 (Biogene Amines)

Schneider / Lutz

2 samples of 8 ml urine, lyophilised					46,00€ / Survey 26,00€ additional sample	
3-Methoxytyramine Dopamine Norepinephrine Vanillylmandelic acid	5-Hydroxyindolea acid Homovanillic acid Normetanephrine	Epinephrine Metanephrines Serotonin				
	Mar. (2)	May (3)	Sep. (5)		Oct. (6)	
Deadline for registration	11.01.19	08.03.19	28.06.19		16.08.19	
Shipment	06.03.19	08.05.19	28.08.19		09.10.19	
Deadline for receipt of data	20.03.19	22.05.19	11.09.19		23.10.19	

2 samples of 10 ml urine, lyophilised			34,00€ / Survey 29,00€ additional sample	
Aminolaevulinic acid Coproporphyrin 1 Pentaporphyrin Uroporphorin	Heptaporphyrin Coproporphyrin 3 Porphobilinogen	Hexaporphyrin Coproporphyrin total Porphyrins total		
		May (3)	Oct. (6)	
Deadline for registration		08.03.19	16.08.19	
Shipment		08.05.19	09.10.19	
Deadline for receipt of data		22.05.19	23.10.19	

2 samples of 5 ml urine, lyophilised			28,00€ / Survey 21,00€ additional sample	
Aldosterone	Cortisol free	hCG intact		
		May (3)	Oct. (6)	
Deadline for registration		08.03.19	16.08.19	
Shipment		08.05.19	09.10.19	
Deadline for receipt of data		22.05.19	23.10.19	

					11,00€ / Survey additional sample not available	
Sediment pictures						
Also available online in digital microscopy!					participation according to Rili-BÄK: yearly	
	Jan. (1)	May (3)	July (4)	Oct. (6)		
Deadline for registration	30.11.18	08.03.19	03.05.19	16.08.19		
Shipment	16.01.19	08.05.19	03.07.19	09.10.19		
Deadline for receipt of data	30.01.19	22.05.19	17.07.19	23.10.19		

532

Bacterial Genome Detection – Bordetella pertussis

Reischl / Ehrenschwender

1 set = 4 samples of 0.3 ml, lyophilised

164,00€ / Survey
144,00€ additional sample

PCR or other procedures for nucleic acid amplification/detection of specific DNA

participation according to Rili-BÄK:
half-yearly**May (3)****Nov. (6)**

Deadline for registration

15.03.19

30.08.19

Shipment

15.05.19

30.10.19

Deadline for receipt of data

05.06.19

13.11.19

535

Bacterial Genome Detection – Borrelia burgdorferi

Reischl / Fingerle

1 set = 4 samples of 0.3 ml, lyophilised

164,00€ / Survey
144,00€ additional sample

PCR or other procedures for nucleic acid amplification/detection of specific DNA

participation according to Rili-BÄK:
half-yearly**May (3)****Nov. (6)**

Deadline for registration

15.03.19

30.08.19

Shipment

15.05.19

30.10.19

Deadline for receipt of data

05.06.19

13.11.19

544

Bacterial Genome Detection – Carbapenemase-Genes

Reischl / Anders

1 set = 4 samples of 0.3 ml, lyophilised

175,00€ / Survey
154,00€ additional sample

PCR or other procedures for nucleic acid amplification/detection of specific DNA

May (3)**Nov. (6)**

Deadline for registration

15.03.19

30.08.19

Shipment

15.05.19

30.10.19

Deadline for receipt of data

05.06.19

13.11.19

540

Bacterial Genome Detection – Chlamydia pneumoniae

Reischl / Maaß

1 set = 4 samples of 0.3 ml, lyophilised

164,00€ / Survey
144,00€ additional sample

PCR or other procedures for nucleic acid amplification/detection of specific DNA

participation according to Rili-BÄK:
half-yearly**May (3)****Nov. (6)**

Deadline for registration

15.03.19

30.08.19

Shipment

15.05.19

30.10.19

Deadline for receipt of data

05.06.19

13.11.19

531

Bacterial Genome Detection – Chlamydia trachomatis

Reischl / Baier

1 set = 4 samples of 0.3 ml, lyophilised			164,00€ / Survey 144,00€ additional sample
PCR or other procedures for nucleic acid amplification/detection of specific DNA			participation according to Rili-BÄK: half-yearly
	May (3)	Nov. (6)	
Deadline for registration	15.03.19	30.08.19	
Shipment	15.05.19	30.10.19	
Deadline for receipt of data	05.06.19	13.11.19	

530

Bacterial Genome Detection – Chlamydia trachomatis & Neisseria gonorrhoeae

Reischl / Baier

1 set = 4 samples of 0.3 ml, lyophilised			189,00€ / Survey 152,00€ additional sample
PCR or other procedures for nucleic acid amplification/detection of specific DNA			participation according to Rili-BÄK: half-yearly
	May (3)	Nov. (6)	
Deadline for registration	15.03.19	30.08.19	
Shipment	15.05.19	30.10.19	
Deadline for receipt of data	05.06.19	13.11.19	

545

Bacterial Genome Detection – Clostridium difficile (Toxin Gene)

Reischl / Ehenschwender

1 set = 4 samples of 0.3 ml, lyophilised			175,00€ / Survey 154,00€ additional sample
PCR or other procedures for nucleic acid amplification/detection of specific DNA			
	May (3)	Nov. (6)	
Deadline for registration	15.03.19	30.08.19	
Shipment	15.05.19	30.10.19	
Deadline for receipt of data	05.06.19	13.11.19	

542

Bacterial Genome Detection – Coxiella burnetii & Bacillus anthracis

Reischl / Frangoulidis / Grass

1 set = 4 samples of 0.3 ml, lyophilised			164,00€ / Survey 144,00€ additional sample
PCR or other procedures for nucleic acid amplification/detection of specific DNA			participation according to Rili-BÄK: half-yearly
	May (3)	Nov. (6)	
Deadline for registration	15.03.19	30.08.19	
Shipment	15.05.19	30.10.19	
Deadline for receipt of data	05.06.19	13.11.19	

534

Bacterial Genome Detection – EHEC / STEC

Reischl / Ehrenschwender

1 set = 4 samples of 0.3 ml, lyophilised			164,00€ / Survey 144,00€ additional sample
PCR or other procedures for nucleic acid amplification/detection of specific DNA			participation according to Rili-BÄK: half-yearly
	May (3)	Nov. (6)	
Deadline for registration	15.03.19	30.08.19	
Shipment	15.05.19	30.10.19	
Deadline for receipt of data	05.06.19	13.11.19	

543

Bacterial Genome Detection – Francisella tularensis & Brucella spp.

Reischl / von Buttlar / Scholz

1 set = 4 samples of 0.3 ml, lyophilised			164,00€ / Survey 144,00€ additional sample
PCR or other procedures for nucleic acid amplification/detection of specific DNA			participation according to Rili-BÄK: half-yearly
	May (3)	Nov. (6)	
Deadline for registration	15.03.19	30.08.19	
Shipment	15.05.19	30.10.19	
Deadline for receipt of data	05.06.19	13.11.19	

533

Bacterial Genome Detection – Helicobacter pylori

Reischl / Ehrenschwender

1 set = 4 samples of 0.3 ml, lyophilised			164,00€ / Survey 144,00€ additional sample
PCR or other procedures for nucleic acid amplification/detection of specific DNA			participation according to Rili-BÄK: half-yearly
	May (3)	Nov. (6)	
Deadline for registration	15.03.19	30.08.19	
Shipment	15.05.19	30.10.19	
Deadline for receipt of data	05.06.19	13.11.19	

536

Bacterial Genome Detection – Legionella pneumophila

Reischl / Ehrenschwender

1 set = 4 samples of 0.3 ml, lyophilised			164,00€ / Survey 144,00€ additional sample
PCR or other procedures for nucleic acid amplification/detection of specific DNA			participation according to Rili-BÄK: half-yearly
	May (3)	Nov. (6)	
Deadline for registration	15.03.19	30.08.19	
Shipment	15.05.19	30.10.19	
Deadline for receipt of data	05.06.19	13.11.19	

538 Bacterial Genome Detection – Listeria spp. Reischl / Ehrenschwender

1 set = 4 samples of 0.3 ml, lyophilised			164,00€ / Survey 144,00€ additional sample
PCR or other procedures for nucleic acid amplification/detection of specific DNA			participation according to Rili-BÄK: half-yearly
	May (3)	Nov. (6)	
Deadline for registration	15.03.19	30.08.19	
Shipment	15.05.19	30.10.19	
Deadline for receipt of data	05.06.19	13.11.19	

539 Bacterial Genome Detection – MRSA or cMRSA Reischl / Ehrenschwender

1 set = 4 samples of 0.3 ml, lyophilised			164,00€ / Survey 144,00€ additional sample
PCR or other procedures for nucleic acid amplification/detection of specific DNA			participation according to Rili-BÄK: half-yearly
	May (3)	Nov. (6)	
Deadline for registration	15.03.19	30.08.19	
Shipment	15.05.19	30.10.19	
Deadline for receipt of data	05.06.19	13.11.19	

541 Bacterial Genome Detection – Mycoplasma pneumoniae Reischl / Dumke

1 set = 4 samples of 0.3 ml, lyophilised			164,00€ / Survey 144,00€ additional sample
PCR or other procedures for nucleic acid amplification/detection of specific DNA			participation according to Rili-BÄK: half-yearly
	May (3)	Nov. (6)	
Deadline for registration	15.03.19	30.08.19	
Shipment	15.05.19	30.10.19	
Deadline for receipt of data	05.06.19	13.11.19	

537 Bacterial Genome Detection – Salmonella enterica Reischl / Ehrenschwender

1 set = 4 samples of 0.3 ml, lyophilised			164,00€ / Survey 144,00€ additional sample
PCR or other procedures for nucleic acid amplification/detection of specific DNA			participation according to Rili-BÄK: half-yearly
	May (3)	Nov. (6)	
Deadline for registration	15.03.19	30.08.19	
Shipment	15.05.19	30.10.19	
Deadline for receipt of data	05.06.19	13.11.19	

547

Bacterial Genome Detection – Urogenital Panel**NEW**

Reischl / N.N.

1 set = 4 samples of 0.3 ml, lyophilised			245,00€ / Survey additional sample not available
PCR or other procedures for nucleic acid amplification/detection of specific DNA			
	May (3)	Nov. (6)	
Deadline for registration	15.03.19	30.08.19	
Shipment	15.05.19	30.10.19	
Deadline for receipt of data	05.06.19	13.11.19	

546

Bacterial Genome Detection – VRE (Vancomycin Resistant Enterococci)

Reischl / Ehrenschwender

1 set = 4 samples of 0.3 ml, lyophilised			175,00€ / Survey 154,00€ additional sample
PCR or other procedures for nucleic acid amplification/detection of specific DNA			
	May (3)	Nov. (6)	
Deadline for registration	15.03.19	30.08.19	
Shipment	15.05.19	30.10.19	
Deadline for receipt of data	05.06.19	13.11.19	

580

Bacterial Genome Detection – Molecular Genetic Analysis of the Human Microbiome

Gessner / Reischl

Standardized stool samples – delivered with dry ice!			195,00€ / Survey additional sample not available
NGS-Analysis (next generation sequencing)			
Variant shipment possible!			
	July (3)		
Deadline for registration	15.03.19		
Shipment	15.05.19		
Deadline for receipt of data	24.07.19		

560

Fungal Genome Detection – Pneumocystis jirovecii

Reischl / Reiter-Owona

1 set = 4 samples of 0.3 ml, lyophilised			175,00€ / Survey 154,00€ additional sample
Polymerase chain reaction (PCR) and other procedures for detection of specific DNA			
	May (3)	Nov. (6)	
Deadline for registration	15.03.19	30.08.19	
Shipment	15.05.19	30.10.19	
Deadline for receipt of data	05.06.19	13.11.19	



5 samples, lyophilised

83,00€ / Survey
47,00€ additional sample**Gram staining and cultivation, identification and susceptibility testing of bacteria**

Participants in the EQA schemes in bacteriology will get a certificate for Gram staining when successful in this part.

**participation according to Rili-BÄK:
half-yearly****Additional participation in EQA scheme No. 413 Gram Stain is not required.**

A letter will only be sent in advance should the panel of antibiotics to be tested be changed:

Ampicillin	Cefotaxim	Ceftazidim
Cefuroxim	Ciprofloxacin	Erythromycin
Gentamicin	Meropenem	Oxacillin
Penicillin	Piperacillin/Tazobactam	Tetracyclin
Tobramycin	Trimethoprim/Sulfamethoxazol	Vancomycin

	Mar. (1)	Aug. (5)
Deadline for registration	19.12.18	21.06.19
Shipment	20.02.19	21.08.19
Deadline for receipt of data	01.03.19	30.08.19



3 samples (drying process)

63,00€ / Survey
35,00€ additional sample**Gram staining and cultivation, identification and susceptibility testing of fast-growing bacteria and accompanying bacterial flora of the urogenital tract**

Participants in the EQA schemes in bacteriology will get a certificate for Gram staining when successful in this part.

**participation according to Rili-BÄK:
half-yearly****Additional participation in EQA scheme No. 413 Gram Stain is not required.**

A letter will only be sent in advance should the panel of antibiotics to be tested be changed:

Ampicillin	Ampicillin/Sulbactam	Cefpodoximproxetil
Ceftazidim	Ciprofloxacin	Fosfomycin-Trometamol
Gentamicin	Meropenem	Nitrofurantoin
Oxacillin	Penicillin	Trimethoprim/Sulfamethoxazol

	Feb. (1)	Apr. (3)	July (4)	Nov. (6)
Deadline for registration	30.11.18	15.02.19	17.05.19	27.09.19
Shipment	23.01.19	10.04.19	10.07.19	20.11.19
Deadline for receipt of data	01.02.19	26.04.19	19.07.19	29.11.19

Please fill in page 03 of the order form for handling of infectious samples for EQAS unless you already returned your completed form 03 to INSTAND e. V. when you registered for recent EQA schemes. Without your confirmation we cannot send you the EQAS samples.

413

Bacteriology – Gram Stain

Suerbaum / Ziesing

3 slides (heat-fixed)		38,00€ / Survey 19,00€ additional sample
Evaluation of morphology and staining characteristics		participation according to Rili-BÄK: half-yearly
Participants of the EQA schemes in bacteriology No. 411 or 412 will get a certificate for gram staining if they are successful in this part.		
	Mar. (2)	Oct. (6)
Deadline for registration	01.02.19	30.08.19
Shipment	13.03.19	09.10.19
Deadline for receipt of data	22.03.19	18.10.19

317

Infection Serology – Bordetella pertussis Antibodies

Hunfeld / N.N.

2 samples of 0.2 ml, serum		62,00€ / Survey additional sample not available
Antibodies against Bordetella pertussis		
		Nov. (6)
Deadline for registration		23.08.19
Shipment		23.10.19
Deadline for receipt of data		08.11.19

332

Infection Serology – Borrelia burgdorferi Antibodies

Hunfeld / N.N.

2 samples of 0.4 ml, serum		62,00€ / Survey additional sample not available
Antibodies against Borrelia		participation according to Rili-BÄK: half-yearly
	June (3)	
Deadline for registration	15.03.19	23.08.19
Shipment	15.05.19	23.10.19
Deadline for receipt of data	31.05.19	08.11.19

319

Infection Serology – Campylobacter Antibodies

Hunfeld / N.N.

2 samples of 0.4 ml, serum		59,00€ / Survey additional sample not available
Antibodies against campylobacter		
	June (3)	
Deadline for registration	15.03.19	
Shipment	15.05.19	
Deadline for receipt of data	31.05.19	

314 Infection Serology – Chlamydia pneumoniae (Chlamydophila) Antibodies

Hunfeld / N.N.

2 samples of 0.4 ml, serum			63,00€ / Survey additional sample not available
Antibodies against Chlamydia pneumoniae			
	June (3)	Nov. (6)	
Deadline for registration	15.03.19	23.08.19	
Shipment	15.05.19	23.10.19	
Deadline for receipt of data	31.05.19	08.11.19	

312 Infection Serology – Chlamydia trachomatis Antibodies

Hunfeld / N.N.

2 samples of 0.2 ml, serum			59,00€ / Survey additional sample not available
Antibodies against Chlamydia trachomatis			
	June (3)	Nov. (6)	
Deadline for registration	15.03.19	23.08.19	
Shipment	15.05.19	23.10.19	
Deadline for receipt of data	31.05.19	08.11.19	

316 Infection Serology – Chlamydia trachomatis Direct Detection (Slide)

Hunfeld / N.N.

2 slides			45,00€ / Survey additional sample not available
Direct detection of Chlamydia trachomatis antigen (dir. IFA)			participation according to Rili-BÄK: half-yearly
	June (3)	Nov. (6)	
Deadline for registration	15.03.19	23.08.19	
Shipment	15.05.19	23.10.19	
Deadline for receipt of data	31.05.19	08.11.19	

313 Infection Serology – Chlamydia trachomatis Direct Detection (ELISA / PCR)

Hunfeld / N.N.



2 samples of 0.2 ml, serum			45,00€ / Survey additional sample not available
Direct detection of Chlamydia trachomatis antigen (ELISA, PCR)			participation according to Rili-BÄK: half-yearly
	June (3)	Nov. (6)	
Deadline for registration	15.03.19	23.08.19	
Shipment	15.05.19	23.10.19	
Deadline for receipt of data	31.05.19	08.11.19	

⚠ Please fill in page 03 of the order form for handling of infectious samples for EQAS unless you already returned your completed form 03 to INSTAND e. V. when you registered for recent EQA schemes. Without your confirmation we cannot send you the EQAS samples.

325

Infection Serology – Coxiella burnetii Antibodies

Hunfeld / N.N.

2 samples of 0.3 ml, serum			61,00€ / Survey additional sample not available
Antibodies against Coxiella burnetii			
		Nov. (6)	
Deadline for registration		23.08.19	
Shipment		23.10.19	
Deadline for receipt of data		08.11.19	

318

Infection Serology – Diphtheria Toxoid Antibodies

Hunfeld / N.N.

2 samples of 0.4 ml, serum			47,00€ / Survey additional sample not available
Antibodies against diphtheria toxoid			
	June (3)	Nov. (6)	
Deadline for registration	15.03.19	23.08.19	
Shipment	15.05.19	23.10.19	
Deadline for receipt of data	31.05.19	08.11.19	

334

Infection Serology – Helicobacter pylori Antibodies

Hunfeld / N.N.

2 samples of 0.4 ml, serum			63,00€ / Survey additional sample not available
Antibodies against Helicobacter pylori			
	June (3)	Nov. (6)	
Deadline for registration	15.03.19	23.08.19	
Shipment	15.05.19	23.10.19	
Deadline for receipt of data	31.05.19	08.11.19	

324

Infection Serology – Mycoplasma pneumoniae Antibodies

Hunfeld / N.N.

2 samples of 0.3 ml, serum			63,00€ / Survey additional sample not available
Antibodies against mycoplasma pneumoniae			
		Nov. (6)	
Deadline for registration		23.08.19	
Shipment		23.10.19	
Deadline for receipt of data		08.11.19	

320 Infection Serology – Procalcitonin

Hunfeld / N.N.

2 samples of 0.2 ml, serum		48,00€ / Survey 48,00€ additional sample	
Diagnostic comments Procalcitonin (quantitative)	Procalcitonin (qualitative) Procalcitonin (semi-quantitative)		
	June (3)	Nov. (6)	
Deadline for registration	15.03.19	23.08.19	
Shipment	15.05.19	23.10.19	
Deadline for receipt of data	31.05.19	08.11.19	

323 Infection Serology – Rheumatoid Factor

Hunfeld / N.N.

2 samples of 0.4 ml, serum		42,00€ / Survey 42,00€ additional sample		
Rheumatoid factor (RF) (qualitative)	Rheumatoid factor (RF) (semi-quantitative)			
	Jan. (1)	June (3)	Sep. (5)	Nov. (6)
Deadline for registration	09.11.18	15.03.19	28.06.19	23.08.19
Shipment	16.01.19	15.05.19	28.08.19	23.10.19
Deadline for receipt of data	30.01.19	31.05.19	11.09.19	08.11.19

participation according to Rili-BÄK: quarterly

331 Infection Serology – Salmonella Antibodies

Hunfeld / N.N.

2 samples of 0.4 ml, serum		58,00€ / Survey additional sample not available	
Antibodies against salmonella			
	June (3)	Nov. (6)	
Deadline for registration	15.03.19	23.08.19	
Shipment	15.05.19	23.10.19	
Deadline for receipt of data	31.05.19	08.11.19	

321 Infection Serology – Streptococcal AB (ASL, aDNase)

Hunfeld / N.N.

2 samples of 0.4 ml, serum		58,00€ / Survey additional sample not available	
anti-streptodornase (aDNase) (qualitative) anti-streptolysin O (ASO) (qualitative)	anti-streptodornase (aDNase) (semi-quantitative) anti-streptolysin O (ASO) (semi-quantitative)		
	June (3)	Nov. (6)	
Deadline for registration	15.03.19	23.08.19	
Shipment	15.05.19	23.10.19	
Deadline for receipt of data	31.05.19	08.11.19	

participation according to Rili-BÄK: half-yearly

310

Infection Serology – Tetanus Toxoid Antibodies

Hunfeld / N.N.

2 samples of 0.4 ml, serum	48,00€ / Survey additional sample not available	
Antibodies against tetanus toxoid		
	June (3)	Nov. (6)
Deadline for registration	15.03.19	23.08.19
Shipment	15.05.19	23.10.19
Deadline for receipt of data	31.05.19	08.11.19

311

Infection Serology – Treponema pallidum Antibodies

Hunfeld / N.N.

2 samples of 0.4 ml, serum	62,00€ / Survey additional sample not available	
Antibodies against <i>Treponema pallidum</i>		
	June (3)	Nov. (6)
Deadline for registration	15.03.19	23.08.19
Shipment	15.05.19	23.10.19
Deadline for receipt of data	31.05.19	08.11.19

participation according to Rili-BÄK:
half-yearly

315

Infection Serology – Yersinia Antibodies

Hunfeld / N.N.

2 samples of 0.4 ml, serum	60,00€ / Survey additional sample not available	
Antibodies against Yersinia		
	June (3)	
Deadline for registration	15.03.19	
Shipment	15.05.19	
Deadline for receipt of data	31.05.19	

650

Interferon Gamma Release Assay (IGRA)

Sack / Boldt

Heparin whole blood, not stabilized, overnight shipping	165,00€ / Survey additional sample not available	
Interferon Gamma Release Assay (IGRA)		
Please note: This EQA scheme is for the users of TB-ELISPOT and the QuantiFERON-TB Gold test.		
Users of the QuantiFERON-TB Gold test prepare the samples according to the specification of the manufacturer for handling of Heparin tubes instead of QuantiFERON tubes.		
	May (3)	Nov. (6)
Deadline for registration	22.03.19	23.08.19
Shipment	22.05.19	23.10.19
Deadline for receipt of data	29.05.19	04.11.19

490

Mycology 01 (Mucorales, Yeasts, Coelomycetes, Hyphomycetes, Basidiomycetes)

Haase / Geißdörfer / Schoerner



5 samples

93,00€ / Survey
62,00€ additional sample

Cultivation and species identification of fungi (yeasts, yeast-like fungi, hyphomycetes) occurring as the causative organism in case of mycosis of the mucosa, mycosis of the organs (deep-seated mycosis), systemic mycosis or mycosis acquired after trauma, as well as fungal contaminants present in human specimens. Furthermore, interpretation of the result should be performed (to some extent) within the framework of the provided information.

**participation according to Rili-BÄK:
half-yearly**

	Feb. (1)	Oct. (5)
Deadline for registration	23.11.18	26.07.19
Shipment	23.01.19	25.09.19
Deadline for receipt of data	13.02.19	16.10.19

491

Mycology 02 (Dermatophytes, Yeasts, Mould Fungus)

Gräser / Nenoff / Haase



4 samples, living cultures

51,00€ / Survey
41,00€ additional sample

Differentiation of Dermatophytes, Yeasts and Moulds

EQA results can only be submitted online!

Living strains of causative agents or contaminants will be sent, that had been isolated from patients with skin mycoses or mucosal fungal infections.

**participation according to Rili-BÄK:
half-yearly**

	Apr. (2)	Oct. (5)
Deadline for registration	25.01.19	26.07.19
Shipment	13.03.19	11.09.19
Deadline for receipt of data	25.04.19	23.10.19

480

Mycoserology 01 – Candida (Antigen+Antibodies)

Weig / Bader

2 samples, serum

39,00€ / Survey
25,00€ additional sampleCandida antigen
Candida IgGCandida total AB
Candida IgM

Candida IgA

**participation according to Rili-BÄK:
half-yearly**

	Feb. (1)	Oct. (5)
Deadline for registration	23.11.18	19.07.19
Shipment	23.01.19	18.09.19
Deadline for receipt of data	06.02.19	04.10.19

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481

Mycoserology 02 – Cryptococcus neoformans/ – gattii Antigen

Rickerts / Wilmes



2 samples, serum or CSF

39,00€ / Survey
25,00€ additional sampleDetection of *Cryptococcus neoformans* / *Cryptococcus gattii* Antigen**participation according to Rili-BÄK:
half-yearly**

	Feb. (1)	Oct. (5)
Deadline for registration	23.11.18	19.07.19
Shipment	23.01.19	18.09.19
Deadline for receipt of data	06.02.19	04.10.19

492

Genome Detection of Dermatophytes

Gräser / Nenoff

1 set = 4 samples, lyophilised

175,00€ / Survey
150,00€ additional sample

Polymerase chain reaction (PCR) and other procedures for detection of specific DNA

	Apr. (2)	Sep. (5)
Deadline for registration	25.01.19	26.07.19
Shipment	13.03.19	11.09.19
Deadline for receipt of data	03.04.19	02.10.19

456

Parasite Microscopy (Blood)Tannich / Tappe / Hörauf /
Reiter-Owona

2 samples, thin blood smear and/or thick blood smear

63,00€ / Survey
42,00€ additional sample

In March and September: Prof. Hörauf, Bonn; in May and October: Prof. Tannich, Hamburg

Blood parasites – speciation

**participation according to Rili-BÄK:
half-yearly**

	Mar. (2)	May (3)	Sep. (5)	Oct. (6)
Deadline for registration	11.01.19	08.03.19	28.06.19	16.08.19
Shipment	06.03.19	08.05.19	28.08.19	09.10.19
Deadline for receipt of data	20.03.19	22.05.19	11.09.19	23.10.19

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451

Parasite Microscopy (Stool)

Tannich / Tappe

2 samples, fecal suspension or fecal smear

63,00€ / Survey
42,00€ additional sample

Stool parasites – speciation

**participation according to Rili-BÄK:
half-yearly****May (3)****Oct. (6)**

Deadline for registration

08.03.19

16.08.19

Shipment

08.05.19

09.10.19

Deadline for receipt of data

22.05.19

23.10.19

455

Parasite Serology – Amoebiasis and Echinococcosis

Hörauf / Reiter-Owona

2 samples variable volumes, serum or plasma

53,00€ / Survey
42,00€ additional sample

Amoebiasis and echinococcosis

**participation according to Rili-BÄK:
yearly****Oct. (6)**

Deadline for registration

16.08.19

Shipment

09.10.19

Deadline for receipt of data

23.10.19

454

Parasite Serology – Malaria and Schistosomiasis

Hörauf / Reiter-Owona

2 samples variable volumes, serum or plasma

53,00€ / Survey
42,00€ additional sample

Malaria and schistosomiasis

**participation according to Rili-BÄK:
yearly****May (3)**

Deadline for registration

08.03.19

Shipment

08.05.19

Deadline for receipt of data

22.05.19

452

Parasite Serology – Toxoplasmosis

Hörauf / Reiter-Owona

2 samples variable volumes, serum or plasma

53,00€ / Survey
42,00€ additional sample

Toxoplasmosis

**participation according to Rili-BÄK:
half-yearly****May (3)****Oct. (6)**

Deadline for registration

08.03.19

16.08.19

Shipment

08.05.19

09.10.19

Deadline for receipt of data

22.05.19

23.10.19

457

Detection of Toxoplasma DNA (PCR)

Hörauf / Reiter-Owona

3 samples, stabilized EDTA-blood (and/or amniotic fluid), buffer			139,00€ / Survey 138,00€ additional sample
Toxoplasma gondii-genom PCR			participation according to Rili-BÄK: half-yearly
	Mar. (2)	Sep. (5)	
Deadline for registration	11.01.19	28.06.19	
Shipment	06.03.19	28.08.19	
Deadline for receipt of data	20.03.19	11.09.19	

421

Mycobacteriology 01 – Microscopy

Hillemann / Andres



6 samples, microscopic slides			45,00€ / Survey additional sample not available
Detection of acid-fast bacilli			participation according to Rili-BÄK: half-yearly
	Feb. (1)	Oct. (5)	
Deadline for registration	23.11.18	19.07.19	
Shipment	23.01.19	18.09.19	
Deadline for receipt of data	01.02.19	27.09.19	

424

Mycobacteriology 04 – NAT

Hillemann / Andres



5 samples, sputum specimens			61,00€ / Survey additional sample not available
Detection of tubercle-bacilli by nucleic-acid amplification (PCR)			participation according to Rili-BÄK: half-yearly
	Feb. (1)	Oct. (5)	
Deadline for registration	23.11.18	19.07.19	
Shipment	23.01.19	18.09.19	
Deadline for receipt of data	01.02.19	27.09.19	

422

Mycobacteriology 02 – Culture

Hillemann / Andres



5 samples, sputum specimens			45,00€ / Survey additional sample not available
Detection of mycobacteria by culture and (optional) identification of tubercle-bacilli			participation according to Rili-BÄK: half-yearly
	Mar. (1)	Nov. (5)	
Deadline for registration	23.11.18	19.07.19	
Shipment	23.01.19	18.09.19	
Deadline for receipt of data	22.03.19	22.11.19	

Please fill in page 03 of the order form for handling of infectious samples for EQAS unless you already returned your completed form 03 to INSTAND e. V. when you registered for recent EQA schemes. Without your confirmation we cannot send you the EQAS samples.

423 Mycobacteriology 03 – Identification

Hillemann / Andres



5 samples, suspensions of mycobacterial strains		38,00€ / Survey additional sample not available	
Identification of mycobacteria; 5 cultures		participation according to Rili-BÄK: half-yearly	
	Mar. (1)		Nov. (5)
Deadline for registration	23.11.18		19.07.19
Shipment	23.01.19		18.09.19
Deadline for receipt of data	01.03.19	05.11.19	

425 Mycobacteriology 05 – Drug Susceptibility Testing

Hillemann / Andres



5 samples, suspensions of Mycobacterium tuberculosis complex strains for phenotypic resistance testing (incl. second-line drugs)		36,00€ / Survey additional sample not available	
Sensitivity testing and (optional) identification		participation according to Rili-BÄK: half-yearly	
	Mar. (1)		Nov. (5)
Deadline for registration	23.11.18		19.07.19
Shipment	23.01.19		18.09.19
Deadline for receipt of data	01.03.19	05.11.19	

426 Mycobacteriology 06 – Molecular Drug Susceptibility Testing
NEW

Hillemann / Andres



5 samples, suspensions of Mycobacterium tuberculosis complex strains for molecular resistance testing		36,00€ / Survey additional sample not available	
Sensitivity testing and (optional) identification		participation according to Rili-BÄK: half-yearly	
	Mar. (1)		Nov. (5)
Deadline for registration	23.11.18		19.07.19
Shipment	23.01.19		18.09.19
Deadline for receipt of data	01.03.19	05.11.19	

Please fill in page 03 of the order form for handling of infectious samples for EQAS unless you already returned your completed form 03 to INSTAND e. V. when you registered for recent EQA schemes. Without your confirmation we cannot send you the EQAS samples.

231

Immunohaematology 01

Wagner / Geisen

2 sets of samples: 1 set = 1 x 5 ml serum / 1 x 5 ml erythrocytes suspension					58,00€ / Survey 41,00€ additional sample
A B 0 – Typing Antibody Screening Rh – Subtyping (without Cw)	A – Subtyping Kell antigen	Direct Antiglobulin Test Rh (D) Factor			participation according to Rili-BÄK: quarterly
EOA results can only be submitted online!					
	Jan. (1)	May (3)	July (4)	Oct. (6)	
Deadline for registration	23.11.18	08.03.19	03.05.19	16.08.19	
Shipment	16.01.19	08.05.19	03.07.19	09.10.19	
Deadline for receipt of data	30.01.19	22.05.19	17.07.19	23.10.19	

232

Immunohaematology 02

Wagner / Geisen

2 sets of samples: 1 set = 2 x 5 ml serum/1 x 5 ml erythrocytes suspension					76,00€ / Survey 54,00€ additional sample
A B 0 – Typing A – Subtyping Kell antigen	Antibody ID Direct Antiglobulin Test Rh (D) Factor	AB quantitation Antibody Screening Rh – Subtyping (without Cw)			participation according to Rili-BÄK: quarterly
EOA results can only be submitted online!					
	Jan. (1)	May (3)	July (4)	Oct. (6)	
Deadline for registration	23.11.18	08.03.19	03.05.19	16.08.19	
Shipment	16.01.19	08.05.19	03.07.19	09.10.19	
Deadline for receipt of data	30.01.19	22.05.19	17.07.19	23.10.19	

237

Immunohaematology 05 (Machine-Based Analysis)

Wagner / Geisen

2 samples, anticoagulated whole blood (haematocrit 30%)					115,00€ / Survey 89,00€ additional sample
A B 0 – Typing Direct Antiglobulin Test Rh (D) Factor	Antibody ID Antibody Screening Rh – Subtyping (without Cw)	A – Subtyping Kell antigen			participation according to Rili-BÄK: quarterly
EOA results can only be submitted online!					
	Jan. (1)	May (3)	July (4)	Oct. (6)	
Deadline for registration	23.11.18	08.03.19	03.05.19	16.08.19	
Shipment	16.01.19	08.05.19	03.07.19	09.10.19	
Deadline for receipt of data	30.01.19	22.05.19	17.07.19	23.10.19	

235 Immunohaematology 06 – Molecular Diagnostic

Bein / Flegel / Sachs

4 DNA samples	43,00€ / Survey additional sample not available	
Red cells: ABO, MNS, RHD, RHD-Deletion, RHCE, LU, KEL (K/k, Kp, Js), FY, JK, DI, YT, DO, CO, LW, KN, VEL. Platelets: HPA-1, 2, 3, 4, 5, 6, 9, 15. Granulocytes: HNA-1a, -1b, -1c; HNA-3, HNA-4, HNA-5.		
A list of the alleles necessary for successful participation can be found at: www.instand-ev.de/mandatory-alleles		
<u>EQA results can only be submitted online!</u>		
	May (3)	Oct. (6)
Deadline for registration	08.03.19	16.08.19
Shipment	08.05.19	09.10.19
Deadline for receipt of data	22.05.19	23.10.19

238 Immunohaematology 07 (Machine-Based Analysis)

Wagner / Geisen

2 samples, anticoagulated whole blood (haematocrit 30%), 2 samples of plasma	175,00€ / Survey 160,00€ additional sample										
<table border="0"> <tr> <td>A B O – Typing</td> <td>Antibody ID</td> <td>AB quantitation</td> </tr> <tr> <td>A – Subtyping</td> <td>Direct Antiglobulin Test</td> <td>Antibody Screening</td> </tr> <tr> <td>Kell antigen</td> <td>Rh (D) Factor</td> <td>Rh – Subtyping (without Cw)</td> </tr> </table>	A B O – Typing	Antibody ID	AB quantitation	A – Subtyping	Direct Antiglobulin Test	Antibody Screening	Kell antigen	Rh (D) Factor	Rh – Subtyping (without Cw)	participation according to Rili-BÄK: quarterly	
A B O – Typing	Antibody ID	AB quantitation									
A – Subtyping	Direct Antiglobulin Test	Antibody Screening									
Kell antigen	Rh (D) Factor	Rh – Subtyping (without Cw)									
<u>EQA results can only be submitted online!</u>											
	Jan. (1)	May (3)	July (4)	Oct. (6)							
Deadline for registration	23.11.18	08.03.19	03.05.19	16.08.19							
Shipment	16.01.19	08.05.19	03.07.19	09.10.19							
Deadline for receipt of data	30.01.19	22.05.19	17.07.19	23.10.19							

233 Immunohaematology 03 – Platelet Immunology

Kiefel / Bux / Kroll

3 samples of serum/plasma, 2 samples of DNA, 2 samples of platelet suspension	86,00€ / Survey 86,00€ additional sample	
Platelet antibodies Platelet antigens		
This EQA scheme is intended for laboratories which are able to detect platelet antibodies and antigens. The EQA scheme No. 235 'Immunohaematology 06 – Molecular Diagnostic' was designed for laboratories which only want to carry out a platelet antigen allele.		
	Apr. (2)	Sep. (5)
Deadline for registration	11.01.19	28.06.19
Shipment	06.03.19	28.08.19
Deadline for receipt of data	03.04.19	25.09.19

3 samples of plasma, 2 samples of DNA		86,00€ / Survey additional sample not available
<p>HNA/granulocyte antibodies HNA/granulocyte (neutrophil) antigens</p> <p>This EQA scheme includes all HNA antibody specifications. It is dedicated to laboratories which are able to detect granulocyte antibodies and antigens.</p> <p>The EQA scheme No. 235 'Immunohaematology 06 – Molecular Diagnostic' was designed for laboratories which only want to perform a granulocyte antigen allele. Because of the complicated preparation of the samples, INSTAND e.V. reserves the right to no longer supply laboratories with proficiency test samples, which have not sent back any results repeatedly.</p>		
	Apr. (2)	Sep. (5)
Deadline for registration	11.01.19	28.06.19
Shipment	06.03.19	28.08.19
Deadline for receipt of data	03.04.19	25.09.19

INFORMATION FOR VIRUS DIAGNOSTICS

The INSTAND EQA schemes in virology are carried out in scientific cooperation with the Deutsche Vereinigung zur Bekämpfung der Viruskrankheiten (DVV e.V.), Gesellschaft für Virologie (GfV e.V.) and Deutsche Gesellschaft für Hygiene und Mikrobiologie (DGHM e.V.). Cooperation partners are: Joint Diagnostic Commission of DVV and GfV, Robert Koch-Institut, Paul-Ehrlich-Institut, Friedrich-Loeffler-Institut, Bernhard-Nocht-Institut, Reference Laboratories incl. National and International Reference Centers and National Consiliary Laboratories, Blood Transfusion Service of German Red Cross (DRK-Blutspendedienst Ost) and World Health Organization. The characterization of the EQA samples and the determination of the target values/consensus values are carried out in cooperation with the INSTAND Expert laboratories.

Information for 2019:

(for details please see www.instand-ev.de -> EQAS and EQAS Online)

General remarks on the INSTAND EQA schemes in virus diagnostics

Please note that the samples of the respective EQA scheme are suitable for analysis using different methods for the detection of the corresponding analyte.

Example: EQA scheme „Virus immunology – HIV-1 / HIV-2“ (335) – The 4 samples of the sample set of the EQA scheme (335) can be analyzed on virus specific antibodies by different methods such as ELISA, ChLIA and other methods. The results of the respective method should be stated for all 4 samples of the sample set. The results reported for the different methods will be displayed in the participation documents (Individual results).

New EQA schemes

INSTAND plans in cooperation with the Joint Diagnostic Commission of DVV and GfV to introduce two new EQA schemes for the virus genome detection by multiplex tests in the year 2019.

Virus Genome Detection – Gastrointestinal Virus Panel for Multiplex Tests (430)

Qualitative genome detection of gastrointestinal viruses inclusive new circulating virus variants (e.g. noroviruses)

Virus Genome Detection – Respiratory Virus Panel for Multiplex Tests (431)

Qualitative genome detection of respiratory viruses inclusive new circulating virus variants (e.g. seasonal and avian influenza viruses)

The EQA schemes (430) and (431) will be carried out each in June and November 2019. Further information on registration, sample number and costs will be published on the INSTAND homepage and via email.

Schedule changes for EQA schemes

Virus Immunology – Zika Virus (338) – only once per year

The EQA scheme (338) will be performed only once per year (term September) due to the changed epidemiologic situation of infections with Zika virus.

Virus Genome Detection – Hepatitis E Virus (380) and West Nile Virus (391) – each 4 times per year

INSTAND will increase the frequency for the EQA schemes for genome detection of hepatitis E virus (380) and West Nile Virus (391) from 2 to 4 times per year, as – for Germany – the Paul-Ehrlich-Institut (German Federal Institute for Vaccines and Biomedicines) plans to change/changed the requirements for institutions involved in virus safety testing of certain blood products by testing with appropriate nucleic acid amplification techniques (NAT).

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Virus Genome Detection – Adenoviruses

Zeichhardt / Kammel



2 sets of samples; 1 set = 4 samples of 1.1 ml, lyophilised cell culture lysates		206,00€ / Survey 165,00€ additional sample
<p>Polymerase chain reaction (PCR) and other nucleic acid amplification techniques (NAT) for adenovirus DNA Determination of species adenovirus Typing of adenovirus</p> <p><u>EQA results can only be submitted online!</u></p>		<p>participation according to Rili-BÄK: half-yearly</p>
	June (4) Nov. (6)	
Deadline for registration	26.04.19	27.09.19
Shipment	12.06.19	13.11.19
Deadline for receipt of data	28.06.19	29.11.19

364

Virus Genome Detection – BK Virus

Zeichhardt / Kammel



2 sets of samples; 1 set = 4 samples of 1.1 ml, lyophilised plasma and suspension of urine, respectively		295,00€ / Survey 248,00€ additional sample
<p>Polymerase chain reaction (PCR) and other nucleic acid amplification techniques (NAT) for BK virus DNA</p> <p><u>EQA results can only be submitted online!</u></p> <p>Cooperation with: Nationales Referenzzentrum für Papillom- und Polyomaviren, Institut für Virologie, Uniklinik Köln</p>		
	Mar. (2) Sep. (5)	
Deadline for registration	08.01.19	19.07.19
Shipment	26.02.19	04.09.19
Deadline for receipt of data	15.03.19	20.09.19

Please fill in page 03 of the order form for handling of infectious samples for EQAS unless you already returned your completed form 03 to INSTAND e. V. when you registered for recent EQA schemes. Without your confirmation we cannot send you the EQAS samples.

2 sets of samples; 1 set = 4 samples of 1.1 ml, lyophilised plasma and cell culture lysate, respectively (inactivated)

295,00€ / Survey
277,00€ additional sample

Polymerase chain reaction (PCR) and other nucleic acid amplification techniques (NAT) for CHIKV RNA

EQA results can only be submitted online!

Cooperation with:

WHO Collaborating Centre for Arbovirus and Haemorrhagic Fever Reference and Research
Nationales Referenzzentrum für tropische Infektionserreger, Bernhard-Nocht-Institut für Tropenmedizin, Hamburg;
Nationales Konsiliarlabor für FSME, Institut für Mikrobiologie der Bundeswehr, München

	Mar. (2)	Sep. (5)
Deadline for registration	08.01.19	19.07.19
Shipment	26.02.19	04.09.19
Deadline for receipt of data	15.03.19	20.09.19



2 sets of samples; 1 set = 6 samples of 1.1 ml, lyophilised cell culture lysates

295,00€ / Survey
278,00€ additional sample

Polymerase chain reaction (PCR) and other nucleic acid amplification techniques (NAT) for CoV RNA

Option of differentiation between MERS coronavirus and other human coronaviruses (samples which contain the MERS coronavirus are inactivated)

MERS coronavirus (RNA) – quantitative
MERS coronavirus (RNA) – qualitative

other human coronaviruses (RNA) – quantitative
other human coronaviruses (RNA) – qualitative

EQA results can only be submitted online!

Cooperation with:

Nationales Konsiliarlabor für Coronaviren, Institut für Virologie, Charité – Universitätsmedizin Berlin

	June (4)	Nov. (6)
Deadline for registration	26.04.19	27.09.19
Shipment	12.06.19	13.11.19
Deadline for receipt of data	28.06.19	29.11.19



2 sets of samples; 1 set = 4 samples of 1.1 ml, lyophilised plasma and cell culture lysates, respectively

190,00€ / Survey
174,00€ additional sample

Polymerase chain reaction (PCR) and other nucleic acid amplification techniques (NAT) for CMV DNA

EQA results can only be submitted online!

**participation according to Rili-BÄK:
half-yearly**

	Mar. (2)	June (4)	Sep. (5)	Nov. (6)
Deadline for registration	08.01.19	26.04.19	19.07.19	27.09.19
Shipment	26.02.19	12.06.19	04.09.19	13.11.19
Deadline for receipt of data	15.03.19	28.06.19	20.09.19	29.11.19

! Please fill in page 03 of the order form for handling of infectious samples for EQAS unless you already returned your completed form 03 to INSTAND e. V. when you registered for recent EQA schemes. Without your confirmation we cannot send you the EQAS samples.



2 sets of samples; 1 set = 4 samples of 1.1 ml, lyophilised plasma and cell culture lysates, respectively	190,00€ / Survey 174,00€ additional sample
<p>Polymerase chain reaction (PCR) and other nucleic acid amplification techniques (NAT) for CMV DNA</p> <p>The training samples will contain virus concentrations which fall outside the requirements of the specified RiliBÄK section B3.</p> <p>The training program (368) can only be ordered together with the corresponding main EQA scheme (365) for March.</p> <p>Separate certificates will be issued for the training program (368) and the main EQA scheme (365, subject to RiliBÄK-B3).</p> <p><u>EQA results can only be submitted online!</u></p> <p>Cooperation with: Nationale Konsiliarlabore für Cytomegalievirus (CMV): Institut für Virologie, Universitätsklinikum Ulm; Institut für Medizinische Virologie und Epidemiologie der Viruskrankheiten, Universitätsklinikum Tübingen</p>	
	Mar. (2)
Deadline for registration	08.01.19
Shipment	26.02.19
Deadline for receipt of data	15.03.19



2 sets of samples; 1 set = 4 samples of 1.1 ml, lyophilised plasma and cell culture lysates, respectively	370,00€ / Survey 350,00€ additional sample
<p>Polymerase chain reaction (PCR), other nucleic acid amplification techniques (NAT) and sequencing for CMV resistance determination</p> <p><u>EQA results can only be submitted online!</u></p> <p>Cooperation with: Nationale Konsiliarlabore für Cytomegalievirus (CMV): Institut für Virologie, Universitätsklinikum Ulm; Institut für Medizinische Virologie und Epidemiologie der Viruskrankheiten, Universitätsklinikum Tübingen</p>	
	Dec. (6)
Deadline for registration	27.09.19
Shipment	13.11.19
Deadline for receipt of data	18.12.19

Please fill in page 03 of the order form for handling of infectious samples for EQAS unless you already returned your completed form 03 to INSTAND e. V. when you registered for recent EQA schemes. Without your confirmation we cannot send you the EQAS samples.

2 sets of samples; 1 set = 4 samples of 1.1 ml, lyophilised plasma and cell culture lysate, respectively (inactivated)

295,00€ / Survey
247,00€ additional sample

Polymerase chain reaction (PCR) and other nucleic acid amplification techniques (NAT) for denguevirus RNA
Typing of denguevirus

EQA results can only be submitted online!

Cooperation with:
WHO Collaborating Centre for Arbovirus and Haemorrhagic Fever Reference and Research
Nationales Referenzzentrum für tropische Infektionserreger, Bernhard-Nocht-Institut für Tropenmedizin, Hamburg;
Nationales Konsiliarlabor für FSME, Institut der Bundeswehr, München

	Mar. (2)	Sep. (5)
Deadline for registration	08.01.19	19.07.19
Shipment	26.02.19	04.09.19
Deadline for receipt of data	15.03.19	20.09.19



2 sets of samples; 1 set = 4 samples of 1.1 ml, lyophilised cell culture lysates

206,00€ / Survey
165,00€ additional sample

Polymerase chain reaction (PCR) and other nucleic acid amplification techniques (NAT) for enterovirus RNA
Typing of enterovirus

**participation according to Rili-BÄK:
half-yearly**

EQA results can only be submitted online!

	June (4)	Nov. (6)
Deadline for registration	26.04.19	27.09.19
Shipment	12.06.19	13.11.19
Deadline for receipt of data	28.06.19	29.11.19



2 sets of samples; 1 set = 4 samples of 1.1 ml, lyophilised plasma and cell culture lysates, respectively

190,00€ / Survey
174,00€ additional sample

Polymerase chain reaction (PCR) and other nucleic acid amplification techniques (NAT) for EBV DNA

**participation according to Rili-BÄK:
half-yearly**

EQA results can only be submitted online!

	June (4)	Nov. (6)
Deadline for registration	26.04.19	27.09.19
Shipment	12.06.19	13.11.19
Deadline for receipt of data	28.06.19	29.11.19

! Please fill in page 03 of the order form for handling of infectious samples for EQAS unless you already returned your completed form 03 to INSTAND e. V. when you registered for recent EQA schemes. Without your confirmation we cannot send you the EQAS samples.



2 sets of samples; 1 set = 4 samples of 1.1 ml, lyophilised plasma

190,00€ / Survey
174,00€ additional sample

Polymerase chain reaction (PCR) and other nucleic acid amplification techniques (NAT) for HAV RNA

participation according to Rili-BÄK:
half-yearly

EQA results can only be submitted online!

	Mar. (2)	June (4)	Sep. (5)	Nov. (6)
Deadline for registration	08.01.19	26.04.19	19.07.19	27.09.19
Shipment	26.02.19	12.06.19	04.09.19	13.11.19
Deadline for receipt of data	15.03.19	28.06.19	20.09.19	29.11.19



2 sets of samples; 1 set = 4 samples of 1.1 ml, lyophilised plasma

375,00€ / Survey
350,00€ additional sample

Polymerase chain reaction (PCR), other nucleic acid amplification techniques (NAT) incl. sequencing for HBV genotyping

EQA results can only be submitted online!

Cooperation with:
Nationales Referenzzentrum für Hepatitis-B-Virus und Hepatitis-D-Virus, Institut für Medizinische Virologie,
Justus-Liebig-Universität Gießen;
WHO Collaborating Centre for Blood Products and IVD-Devices, Paul-Ehrlich-Institut, Langen

	Nov. (6)
Deadline for registration	27.09.19
Shipment	13.11.19
Deadline for receipt of data	29.11.19



2 sets of samples; 1 set = 4 samples of 1.1 ml, lyophilised plasma

187,00€ / Survey
168,00€ additional sample

Polymerase chain reaction (PCR) and other nucleic acid amplification techniques (NAT) for HBV DNA

participation according to Rili-BÄK:
half-yearly

EQA results can only be submitted online!

	Mar. (2)	June (4)	Sep. (5)	Nov. (6)
Deadline for registration	08.01.19	26.04.19	19.07.19	27.09.19
Shipment	26.02.19	12.06.19	04.09.19	13.11.19
Deadline for receipt of data	15.03.19	28.06.19	20.09.19	29.11.19

Virus Genome Detection – Hepatitis B Virus Program 2 – additional Training Program (can only be ordered with program 361)

Zeichhardt / Kammel



2 sets of samples; 1 set = 4 samples of 1.1 ml, lyophilised plasma

187,00€ / Survey
168,00€ additional sample

Polymerase chain reaction (PCR) and other nucleic acid amplification techniques (NAT) for HBV DNA

The training samples will contain virus concentrations which fall outside the requirements of the specified RiliBÄK section B3.

The training program (378) can only be ordered together with the corresponding main EQA scheme (361) for March.

Separate certificates will be issued for the training program (378) and the main EQA scheme (361, subject to RiliBÄK-B3).

EQA results can only be submitted online!

Cooperation with:
Nationales Referenzzentrum für Hepatitis-B-Virus und Hepatitis-D-Virus, Institut für Medizinische Virologie, Justus-Liebig-Universität Gießen

Mar. (2)

Deadline for registration	08.01.19
Shipment	26.02.19
Deadline for receipt of data	15.03.19

Virus Genome Detection – Hepatitis B Virus Resistance Determination

Zeichhardt / Kammel



2 sets of samples; 1 set = 4 samples, plasmids in water and lyophilised plasma, respectively

375,00€ / Survey
350,00€ additional sample

Polymerase chain reaction (PCR), other nucleic acid amplification techniques (NAT) and sequencing for HBV resistance determination

EQA results can only be submitted online!

Cooperation with:
Nationales Referenzzentrum für Hepatitis-B-Virus und Hepatitis-D-Virus, Institut für Medizinische Virologie, Justus-Liebig-Universität Gießen

Dec. (6)

Deadline for registration	27.09.19
Shipment	13.11.19
Deadline for receipt of data	18.12.19

Virus Genome Detection – Hepatitis C Virus Geno-/Subtyping

Zeichhardt / Kammel



1 set = 5 samples of 1.1 ml, lyophilised sera and plasma, respectively

270,00€ / Survey
223,00€ additional sample

Polymerase chain reaction (PCR) and other nucleic acid amplification techniques (NAT) for HCV geno- and subtype differentiation

EQA results can only be submitted online!

Cooperation with:
Nationales Referenzzentrum für Hepatitis C, Nationales Konsiliarlabor für Tollwut, Institut für Virologie, Universitätsklinikum Essen

participation according to Rili-BÄK: yearly

Sep. (5)

Deadline for registration	19.07.19
Shipment	04.09.19
Deadline for receipt of data	20.09.19

! Please fill in page 03 of the order form for handling of infectious samples for EQAS unless you already returned your completed form 03 to INSTAND e. V. when you registered for recent EQA schemes. Without your confirmation we cannot send you the EQAS samples.



2 sets of samples; 1 set = 4 samples of 1.1 ml, lyophilised plasma					187,00€ / Survey 168,00€ additional sample
Polymerase chain reaction (PCR) and other nucleic acid amplification techniques (NAT) for HCV RNA					participation according to Rili-BÄK: half-yearly
EQA results can only be submitted online!					
	Mar. (2)	June (4)	Sep. (5)	Nov. (6)	
Deadline for registration	08.01.19	26.04.19	19.07.19	27.09.19	
Shipment	26.02.19	12.06.19	04.09.19	13.11.19	
Deadline for receipt of data	15.03.19	28.06.19	20.09.19	29.11.19	



2 sets of samples; 1 set = 4 samples of 1.1 ml, lyophilised plasma					187,00€ / Survey 168,00€ additional sample
Polymerase chain reaction (PCR) and other nucleic acid amplification techniques (NAT) for HCV RNA					participation according to Rili-BÄK: half-yearly
The training samples will contain virus concentrations which fall outside the requirements of the specified RiliBÄK section B3.					
The training program (379) can only be ordered together with the corresponding main EQA scheme (362) for March.					
Separate certificates will be issued for the training program (379) and the main EQA scheme (362, subject to RiliBÄK-B3).					
EQA results can only be submitted online!					
Cooperation with: Nationales Referenzzentrum für Hepatitis C, Nationales Konsiliarlabor für Tollwut, Institut für Virologie, Universitätsklinikum Essen					
	Mar. (2)				
Deadline for registration	08.01.19				
Shipment	26.02.19				
Deadline for receipt of data	15.03.19				



1 set; 4 samples of 1.1 ml, lyophilised sera and plasma, respectively					375,00€ / Survey 350,00€ additional sample
Polymerase chain reaction (PCR), other nucleic acid amplification techniques (NAT) and sequencing for HCV resistance determination					participation according to Rili-BÄK: half-yearly
EQA results can only be submitted online!					
Cooperation with: Nationales Referenzzentrum für Hepatitis C, Nationales Konsiliarlabor für Tollwut, Institut für Virologie, Universitätsklinikum Essen					
				Dec. (6)	
Deadline for registration				27.09.19	
Shipment				13.11.19	
Deadline for receipt of data				18.12.19	

Please fill in page 03 of the order form for handling of infectious samples for EQAS unless you already returned your completed form 03 to INSTAND e. V. when you registered for recent EQA schemes. Without your confirmation we cannot send you the EQAS samples.

400 Virus Genome Detection – Hepatitis D Virus

Zeichhardt / Kammel



2 sets of samples; 1 set = 4 samples of 1.1 ml, lyophilised plasma

 289,00€ / Survey
265,00€ additional sample

Polymerase chain reaction (PCR) and other nucleic acid amplification techniques (NAT) for HDV RNA

EQA results can only be submitted online!

 Cooperation with:
Nationales Referenzzentrum für Hepatitis-B-Virus und Hepatitis-D-Virus, Institut für Medizinische Virologie, Justus-Liebig-Universität Gießen;
WHO Collaborating Centre for Blood Products and IVD-Devices, Paul-Ehrlich-Institut, Langen

	Mar. (2)	Sep. (5)
Deadline for registration	08.01.19	19.07.19
Shipment	26.02.19	04.09.19
Deadline for receipt of data	15.03.19	20.09.19

380 Virus Genome Detection – Hepatitis E Virus

Zeichhardt / Kammel



2 sets of samples; 1 set = 4 samples of 1.1 ml, lyophilised sera, plasma and suspension of feces, respectively

 224,00€ / Survey
213,00€ additional sample

Polymerase chain reaction (PCR) and other nucleic acid amplification techniques (NAT) for HEV RNA

EQA results can only be submitted online!

 Cooperation with:
Nationales Konsiliarlabor für Hepatitis-A-Virus (HAV) und Hepatitis-E-Virus (HEV), Institut für Medizinische Mikrobiologie und Hygiene, Universität Regensburg

	Mar. (2)	June (4)	Sep. (5)	Nov. (6)
Deadline for registration	08.01.19	26.04.19	19.07.19	27.09.19
Shipment	26.02.19	12.06.19	04.09.19	13.11.19
Deadline for receipt of data	15.03.19	28.06.19	20.09.19	29.11.19

363 Virus Genome Detection – Herpes Simplex Virus Type 1/Type 2

Zeichhardt / Kammel



2 sets of samples; 1 set = 6 samples of 1.1 ml, lyophilised plasma and cell culture lysates, respectively

 290,00€ / Survey
243,00€ additional sample

Polymerase chain reaction (PCR) and other nucleic acid amplification techniques (NAT) for differentiation of HSV 1 and HSV 2 DNA

EQA results can only be submitted online!
**participation according to Rili-BÄK:
half-yearly**

	June (4)	Nov. (6)
Deadline for registration	26.04.19	27.09.19
Shipment	12.06.19	13.11.19
Deadline for receipt of data	28.06.19	29.11.19

Please fill in page 03 of the order form for handling of infectious samples for EQAS unless you already returned your completed form 03 to INSTAND e. V. when you registered for recent EQA schemes. Without your confirmation we cannot send you the EQAS samples.



2 sets of samples; 1 set = 4 samples of 1.1 ml, lyophilised plasma

187,00€ / Survey
168,00€ additional sample

Polymerase chain reaction (PCR) and other nucleic acid amplification techniques (NAT) for HIV-1 (RNA)

participation according to Rili-BÄK:
half-yearly

EQA results can only be submitted online!

	Mar. (2)	June (4)	Sep. (5)	Nov. (6)
Deadline for registration	08.01.19	26.04.19	19.07.19	27.09.19
Shipment	26.02.19	12.06.19	04.09.19	13.11.19
Deadline for receipt of data	15.03.19	28.06.19	20.09.19	29.11.19



2 sets of samples; 1 set = 4 samples of 1.1 ml, lyophilised plasma

187,00€ / Survey
168,00€ additional sample

Polymerase chain reaction (PCR) and other nucleic acid amplification techniques (NAT) for HIV-1 (RNA)

The training samples will contain virus concentrations which fall outside the requirements of the specified RiliBÄK section B3.

The training program (382) can only be ordered together with the corresponding main EQA scheme (360) for March.

Separate certificates will be issued for the training program (382) and the main EQA scheme (360, subject to RiliBÄK-B3).

EQA results can only be submitted online!

Cooperation with:

Nationales Referenzzentrum für Retroviren, Max von Pettenkofer-Institut für Hygiene und Medizinische Mikrobiologie, München;
Institut für Medizinische Virologie, Uniklinikum Frankfurt am Main

	Mar. (2)
Deadline for registration	08.01.19
Shipment	26.02.19
Deadline for receipt of data	15.03.19

Virus Genome Detection – HIV-1 Drug Resistance Determination – Standard Program for Protease and Reverse Transcriptase Inhibitors

Zeichhardt / Kammel

2 sets of samples; 1 set = 4 samples of 1.1 ml, buffer and plasma, respectively (non-lyophilised)

595,00€ / Survey
580,00€ additional sample

Please note: The samples will contain plasmids and heat-inactivated cell culture supernatant viruses respectively!

Polymerase chain reaction (PCR), other nucleic acid amplification techniques (NAT) and sequencing for HIV-1 drug resistance determination of protease inhibitors and reverse transcriptase inhibitors

EQA results can only be submitted online!

Cooperation with:

Nationales Referenzzentrum für Retroviren, Max von Pettenkofer-Institut für Hygiene und Medizinische Mikrobiologie, München;
Institut für Medizinische Virologie, Uniklinikum Frankfurt am Main;
Institut für Klinische und Molekulare Virologie, Uniklinikum Erlangen;
Nationales Referenzzentrum für Papillom- und Polyomaviren, Institut für Virologie, Uniklinik Köln;
Medizinisches Infektiologiezentrum Berlin

Dec. (6)

Deadline for registration

27.09.19

Shipment

13.11.19

Deadline for receipt of data

18.12.19

Virus Genome Detection – HIV-1 Drug Resistance Determination – additional Program for Integrase Inhibitors and Tropism Determination

Zeichhardt / Kammel

2 sets of samples; 1 set = 2 samples of 1.1 ml, plasma (non-lyophilised)

395,00€ / Survey
380,00€ additional sample

Please note: The samples will contain heat-inactivated cell culture supernatant viruses!

Polymerase chain reaction (PCR), other nucleic acid amplification techniques (NAT) and sequencing for HIV-1 drug resistance determination of integrase inhibitors and determination of tropism

EQA results can only be submitted online!

Cooperation with:

Nationales Referenzzentrum für Retroviren, Max von Pettenkofer-Institut für Hygiene und Medizinische Mikrobiologie, München;
Institut für Medizinische Virologie, Uniklinikum Frankfurt am Main;
Institut für Klinische und Molekulare Virologie, Uniklinikum Erlangen;
Nationales Referenzzentrum für Papillom- und Polyomaviren, Institut für Virologie, Uniklinik Köln;
Medizinisches Infektiologiezentrum Berlin

Dec. (6)

Deadline for registration

27.09.19

Shipment

13.11.19

Deadline for receipt of data

18.12.19



2 sets of samples; 1 set = 4 samples of 1.1 ml, lyophilised plasma and sera, respectively	209,00€ / Survey 194,00€ additional sample	
Polymerase chain reaction (PCR) and other nucleic acid amplification techniques (NAT) for HIV-2 (RNA)		
<u>EQA results can only be submitted online!</u>		
Cooperation with: Nationales Referenzzentrum für Retroviren, Max von Pettenkofer-Institut für Hygiene und Medizinische Mikrobiologie, München; Institut für Medizinische Virologie, Uniklinikum Frankfurt am Main		
	June (4)	Nov. (6)
Deadline for registration	26.04.19	27.09.19
Shipment	12.06.19	13.11.19
Deadline for receipt of data	28.06.19	29.11.19



2 sets of samples; 1 set = 5 samples of 1.1 ml, lyophilised cell culture lysates and biopsy materials, respectively	245,00€ / Survey 211,00€ additional sample	
Polymerase chain reaction (PCR), other nucleic acid amplification techniques (NAT) and hybridization for HPV DNA Differentiation of ,high risk' and ,low risk' types, and typing of ,high risk' HPV and ,low risk' HPV	participation according to Rili-BÄK: half-yearly	
<u>EQA results can only be submitted online!</u>		
Cooperation with: Nationales Referenzzentrum für Papillom- und Polyomaviren, Institut für Virologie, Uniklinik Köln		
	June (4)	Nov. (6)
Deadline for registration	26.04.19	27.09.19
Shipment	12.06.19	13.11.19
Deadline for receipt of data	28.06.19	29.11.19



2 sets of samples; 1 set = 4 samples of 1.1 ml, lyophilised cell culture lysates	285,00€ / Survey 264,00€ additional sample	
Polymerase chain reaction (PCR) and other nucleic acid amplification techniques (NAT) for HRV RNA Typing of human rhinovirus		
<u>EQA results can only be submitted online!</u>		
Cooperation with: Institut für Virologie, Universitätsklinikum Düsseldorf; Institut für Virologie und Immunbiologie, Universität Würzburg; Nationales Konsiliarlabor für respiratorische Syncytialviren (RSV), Parainfluenzaviren, Metapneumoviren, Robert-Koch-Institut, Berlin		
	June (4)	Nov. (6)
Deadline for registration	26.04.19	27.09.19
Shipment	12.06.19	13.11.19
Deadline for receipt of data	28.06.19	29.11.19

Please fill in page 03 of the order form for handling of infectious samples for EQAS unless you already returned your completed form 03 to INSTAND e. V. when you registered for recent EQA schemes. Without your confirmation we cannot send you the EQAS samples.



2 sets of samples; 1 set = 4 samples of 1.1 ml, lyophilised cell culture lysates

229,00€ / Survey
214,00€ additional sample

Polymerase chain reaction (PCR) and other nucleic acid amplification techniques (NAT) for human metapneumovirus RNA

EQA results can only be submitted online!

Cooperation with:
Institut für Virologie, Universitätsklinikum Düsseldorf;
Institut für Virologie und Immunbiologie, Universität Würzburg;
Nationales Konsiliarlabor für respiratorische Syncytialviren (RSV), Parainfluenzaviren, Metapneumoviren,
Robert-Koch-Institut, Berlin

	June (4)	Nov. (6)
Deadline for registration	26.04.19	27.09.19
Shipment	12.06.19	13.11.19
Deadline for receipt of data	28.06.19	29.11.19



1 set = 6 samples of 1.1 ml, lyophilised cell culture lysates and allantoic fluids, respectively

248,00€ / Survey
214,00€ additional sample

This program may be completed with currently circulating influenza viruses.

Please note: these EQA samples are not suitable for virus propagation and immune fluorescence tests for antigen detection. Some of the samples can contain chemically inactivated avian influenza A viruses.

**participation according to Rili-BÄK:
half-yearly**

Polymerase chain reaction (PCR) and other nucleic acid amplification techniques (NAT) for influenza A and B viruses and antigen testing
Option for typing of seasonal and avian influenza A viruses

EQA results can only be submitted online!

Cooperation with:
Nationales Referenzzentrum für Influenza, Robert Koch-Institut, Berlin;
Friedrich-Loeffler-Institut, Bundesforschungsinstitut für Tiergesundheit, Nationales Referenzlabor für Aviäre Influenza, Insel Riems

	Mar. (2)	Nov. (6)
Deadline for registration	08.01.19	27.09.19
Shipment	26.02.19	13.11.19
Deadline for receipt of data	15.03.19	29.11.19

Please fill in page 03 of the order form for handling of infectious samples for EQAS unless you already returned your completed form 03 to INSTAND e. V. when you registered for recent EQA schemes. Without your confirmation we cannot send you the EQAS samples.



2 sets of samples; 1 set = 4 samples of 1.1 ml, lyophilised plasma and suspension of urine, respectively		295,00€ / Survey 248,00€ additional sample
Polymerase chain reaction (PCR) and other nucleic acid amplification techniques (NAT) for JC virus DNA		
<u>EQA results can only be submitted online!</u>		
Cooperation with: Nationales Referenzzentrum für Papillom- und Polyomaviren, Institut für Virologie, Uniklinik Köln		
	Mar. (2)	Sep. (5)
Deadline for registration	08.01.19	19.07.19
Shipment	26.02.19	04.09.19
Deadline for receipt of data	15.03.19	20.09.19

2 sets of samples; 1 set = 4 samples, each on 1 sample disc (FTA card) with immobilized cell culture lysates		285,00€ / Survey 260,00€ additional sample
Please note: the cell culture lysates are immobilized on sample discs (FTA card). Potentially infectious viruses are chemically inactivated on the sample disc.		
Polymerase chain reaction (PCR) and other nucleic acid amplification techniques (NAT) for measles virus RNA Typing of measles virus		
<u>EQA results can only be submitted online!</u>		
Cooperation with: Nationales Referenzzentrum für Masern, Mumps, Röteln, Robert-Koch-Institut, Berlin; Institut für Virologie, Universität Leipzig		
	June (4)	Nov. (6)
Deadline for registration	26.04.19	27.09.19
Shipment	12.06.19	13.11.19
Deadline for receipt of data	28.06.19	29.11.19

2 sets of samples; 1 set = 4 samples, each on 1 sample disc (FTA card) with immobilized cell culture lysates		285,00€ / Survey 260,00€ additional sample
Please note: The cell culture lysates are immobilized on sample disks (FTA card). Potentially infectious viruses are chemically inactivated on the sample disk.		
Polymerase chain reaction (PCR) and other nucleic acid amplification techniques (NAT) for mumps virus RNA Typing of mumps virus		
<u>EQA results can only be submitted online!</u>		
Cooperation with: Nationales Referenzzentrum für Masern, Mumps, Röteln, Robert-Koch-Institut, Berlin; Institut für Virologie, Universität Leipzig		
	June (4)	Nov. (6)
Deadline for registration	26.04.19	27.09.19
Shipment	12.06.19	13.11.19
Deadline for receipt of data	28.06.19	29.11.19



2 sets of samples; 1 set = 4 samples of 1.1 ml, lyophilised suspension of feces

205,00€ / Survey
195,00€ additional sample

Polymerase chain reaction (PCR) and other nucleic acid amplification techniques (NAT) for norovirus RNA with the option for differentiation in genogroup I and II

EQA results can only be submitted online!

Cooperation with:
Nationales Konsiliarlabor für Noroviren, Robert-Koch-Institut, Berlin;
Nationales Konsiliarlabor für Hepatitis-A-Virus (HAV) und Hepatitis-E-Virus (HEV),
Institut für Medizinische Mikrobiologie und Hygiene, Universität Regensburg;
Institut für Virologie, Medizinische Hochschule Hannover

	Mar. (2)	Nov. (6)
Deadline for registration	08.01.19	27.09.19
Shipment	26.02.19	13.11.19
Deadline for receipt of data	15.03.19	29.11.19



2 sets of samples; 1 set = 4 samples of 1.1 ml, lyophilised cell culture lysates

229,00€ / Survey
214,00€ additional sample

Polymerase chain reaction (PCR) and other nucleic acid amplification techniques (NAT) for parainfluenza virus RNA
Typing of parainfluenza virus

EQA results can only be submitted online!

Cooperation with:
Institut für Virologie, Universitätsklinikum Düsseldorf;
Institut für Virologie und Immunbiologie, Universität Würzburg;
Nationales Konsiliarlabor für respiratorische Syncytialviren (RSV), Parainfluenzaviren, Metapneumoviren,
Robert-Koch-Institut, Berlin

	Mar. (2)	Sep. (5)
Deadline for registration	08.01.19	19.07.19
Shipment	26.02.19	04.09.19
Deadline for receipt of data	15.03.19	20.09.19



2 sets of samples; 1 set = 4 samples of 1.1 ml, lyophilised plasma

193,00€ / Survey
180,00€ additional sample

Polymerase chain reaction (PCR) and other nucleic acid amplification techniques (NAT) for parvovirus B19 DNA

EQA results can only be submitted online!

participation according to Rili-BÄK:
half-yearly

	Mar. (2)	June (4)	Sep. (5)	Nov. (6)
Deadline for registration	08.01.19	26.04.19	19.07.19	27.09.19
Shipment	26.02.19	12.06.19	04.09.19	13.11.19
Deadline for receipt of data	15.03.19	28.06.19	20.09.19	29.11.19

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2 sets of samples; 1 set = 4 samples of 1.1 ml, lyophilised cell culture lysates	148,00€ / Survey 119,00€ additional sample	
<p>Polymerase chain reaction (PCR) and other nucleic acid amplification techniques (NAT) for RSV RNA and RSV antigen testing</p> <p><u>EQA results can only be submitted online!</u></p> <p>Cooperation with: Institut für Virologie und Immunbiologie, Universität Würzburg; Institut für Virologie, Universitätsklinikum Düsseldorf Nationales Konsiliarlabor für respiratorische Syncytialviren (RSV), Parainfluenzaviren, Metapneumoviren, Robert-Koch-Institut, Berlin</p>	participation according to Rili-BÄK: half-yearly	
	June (4)	Nov. (6)
Deadline for registration	26.04.19	27.09.19
Shipment	12.06.19	13.11.19
Deadline for receipt of data	28.06.19	29.11.19



2 sets of samples; 1 set = 4 samples of 1.1 ml, lyophilised suspension of feces	289,00€ / Survey 265,00€ additional sample	
<p>Polymerase chain reaction (PCR) and other nucleic acid amplification techniques (NAT) for rotavirus RNA Typing of rotavirus</p> <p><u>EQA results can only be submitted online!</u></p> <p>Cooperation with: Nationales Konsiliarlabor für Rotaviren, Robert-Koch-Institut, Berlin</p>		
	June (4)	Nov. (6)
Deadline for registration	26.04.19	27.09.19
Shipment	12.06.19	13.11.19
Deadline for receipt of data	28.06.19	29.11.19

2 sets of samples; 1 set = 4 samples, each on 1 sample disc (FTA card) with immobilized cell culture lysates	285,00€ / Survey 260,00€ additional sample	
<p>Please note: the cell culture lysates are immobilized on sample discs (FTA card). Potentially infectious viruses are chemically inactivated on the sample disc.</p> <p>Polymerase chain reaction (PCR) and other nucleic acid amplification techniques (NAT) for rubella virus RNA Typing of rubella virus</p> <p><u>EQA results can only be submitted online!</u></p> <p>Cooperation with: Nationales Referenzzentrum für Masern, Mumps, Röteln, Robert-Koch-Institut, Berlin; Institut für Virologie, Universität Leipzig</p>		
	June (4)	Nov. (6)
Deadline for registration	26.04.19	27.09.19
Shipment	12.06.19	13.11.19
Deadline for receipt of data	28.06.19	29.11.19

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2 sets of samples; 1 set = 4 samples of 1.1 ml, lyophilised samples (inactivated, vaccine)	229,00€ / Survey 214,00€ additional sample
Polymerase chain reaction (PCR) and other nucleic acid amplification techniques (NAT) for rabies virus RNA	
<u>EQA results can only be submitted online!</u>	
Cooperation with: Nationales Konsiliarlaboratorium für Tollwut, Nationales Referenzzentrum für Hepatitis-C-Viren, Institut für Virologie, Universitätsklinikum Essen	
	Sep. (5)
Deadline for registration	19.07.19
Shipment	04.09.19
Deadline for receipt of data	20.09.19



2 sets of samples; 1 set = 4 samples of 1.1 ml, lyophilised plasma and cell culture lysates, respectively	190,00€ / Survey 174,00€ additional sample
Polymerase chain reaction (PCR) and other nucleic acid amplification techniques (NAT) for VZV DNA	
<u>EQA results can only be submitted online!</u>	participation according to Rili-BÄK: half-yearly
	June (4) Nov. (6)
Deadline for registration	26.04.19 27.09.19
Shipment	12.06.19 13.11.19
Deadline for receipt of data	28.06.19 29.11.19

2 sets of samples; 1 set = 6 samples of 1.1 ml, lyophilised plasma and cell culture lysate, respectively (inactivated)	339,00€ / Survey 327,00€ additional sample
Polymerase chain reaction (PCR) and other nucleic acid amplification techniques (NAT) for West Nile virus RNA	
Typing of West Nile virus (Lineage)	
<u>EQA results can only be submitted online!</u>	
Cooperation with: WHO Collaborating Centre for Arbovirus and Haemorrhagic Fever Reference and Research Nationales Referenzzentrum für tropische Infektionserreger, Bernhard-Nocht-Institut für Tropenmedizin, Hamburg; Nationales Konsiliarlabor für FSME, Institut für Mikrobiologie der Bundeswehr, München	
	Mar. (2) June (4) Sep. (5) Nov. (6)
Deadline for registration	08.01.19 26.04.19 19.07.19 27.09.19
Shipment	26.02.19 12.06.19 04.09.19 13.11.19
Deadline for receipt of data	15.03.19 28.06.19 20.09.19 29.11.19

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Virus Genome Detection – Zika Virus

Zeichhardt / Kammel

2 sets of samples; 1 set = 4 samples of 1.1 ml, lyophilised cell culture lysates (inactivated)

295,00€ / Survey
281,00€ additional samplePolymerase chain reaction (PCR) and other nucleic acid amplification techniques (NAT) for Zika virus RNA
Typing of Zika virus (Lineage)**EQA results can only be submitted online!**

Cooperation with:

WHO Collaborating Centre for Arbovirus and Haemorrhagic Fever Reference and Research
Nationales Referenzzentrum für tropische Infektionserreger, Bernhard-Nocht-Institut für Tropenmedizin, Hamburg

	Mar. (2)	Sep. (5)
Deadline for registration	08.01.19	19.07.19
Shipment	26.02.19	04.09.19
Deadline for receipt of data	15.03.19	20.09.19

430

**Virus Genome Detection –
Gastrointestinal Virus Panel for Multiplex Tests****NEW**

Zeichhardt / Kammel



Polymerase chain reaction (PCR) and other nucleic acid amplification techniques (NAT) for qualitative genome detection of gastrointestinal viruses inclusive new circulating virus variants (e.g. noroviruses) by multiplex tests

Further information on registration, sample number and costs will be published on the INSTAND homepage and via email.

EQA results can only be submitted online!

431

**Virus Genome Detection –
Respiratory Virus Panel for Multiplex Tests****NEW**

Zeichhardt / Kammel



Polymerase chain reaction (PCR) and other nucleic acid amplification techniques (NAT) for qualitative genome detection of respiratory viruses inclusive new circulating virus variants (e.g. seasonal and avian influenza viruses) by multiplex tests

Further information on registration, sample number and costs will be published on the INSTAND homepage and via email.

EQA results can only be submitted online!

Please fill in page 03 of the order form for handling of infectious samples for EQAS unless you already returned your completed form 03 to INSTAND e. V. when you registered for recent EQA schemes. Without your confirmation we cannot send you the EQAS samples.

4 samples of 0.3 ml, serum (inactivated in case of chikungunya virus RNA positive samples)		189,00€ / Survey 175,00€ additional sample
Anti-CHIKV IgG	Anti-CHIKV IgG – avidity	Anti-CHIKV IgM
<u>EQA results can only be submitted online!</u>		
Cooperation with: WHO Collaborating Centre for Arbovirus and Haemorrhagic Fever Reference and Research Nationales Referenzzentrum für tropische Infektionserreger, Bernhard-Nocht-Institut für Tropenmedizin, Hamburg		
		Sep. (5)
Deadline for registration		19.07.19
Shipment		04.09.19
Deadline for receipt of data		20.09.19



2 samples of 0.5 ml, serum		73,00€ / Survey 51,00€ additional sample
Anti-CMV IgG	Anti-CMV IgG – avidity	Anti-CMV IgM
<u>EQA results can only be submitted online!</u>		
	Mar. (2)	June (4)
		Sep. (5)
		Nov. (6)
Deadline for registration	08.01.19	26.04.19
Shipment	26.02.19	12.06.19
Deadline for receipt of data	15.03.19	28.06.19
		19.07.19
		04.09.19
		27.09.19
		13.11.19
		29.11.19

4 samples of 0.3 ml, serum (inactivated in case of dengue virus RNA positive samples)		198,00€ / Survey 166,00€ additional sample
Anti-dengue virus IgG clinical interpretation	Anti-dengue virus IgM	dengue virus-NS1 Ag
<u>EQA results can only be submitted online!</u>		
Cooperation with: WHO Collaborating Centre for Arbovirus and Haemorrhagic Fever Reference and Research Nationales Referenzzentrum für tropische Infektionserreger, Bernhard-Nocht-Institut für Tropenmedizin, Hamburg		
	Mar. (2)	Sep. (5)
Deadline for registration	08.01.19	19.07.19
Shipment	26.02.19	04.09.19
Deadline for receipt of data	15.03.19	20.09.19

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Virus Immunology – Epstein Barr Virus (Ab)

Zeichhardt / Kammel



2 samples of 0.6 ml, serum			81,00€ / Survey 57,00€ additional sample
Antibodies against EBV with and without differentiation of antigen specificity (incl. avidity) and heterophilic antibodies Clinical interpretation			
<u>EQA results can only be submitted online!</u>			
	June (4)	Nov. (6)	
Deadline for registration	26.04.19	27.09.19	
Shipment	12.06.19	13.11.19	
Deadline for receipt of data	28.06.19	29.11.19	

358

Virus Immunology – Tick-Borne Encephalitis (TBE/FSME) Virus (Ab)

Zeichhardt / Kammel



2 samples of 0.5 ml, serum			92,00€ / Survey 66,00€ additional sample
Anti-TBE/FSME virus IgG Anti-TBE/FSME virus IgG – avidity Anti-TBE/FSME virus IgM			
<u>EQA results can only be submitted online!</u>			
	June (4)	Nov. (6)	
Deadline for registration	26.04.19	27.09.19	
Shipment	12.06.19	13.11.19	
Deadline for receipt of data	28.06.19	29.11.19	

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Virus Immunology – Hantaviruses (Ab)

Zeichhardt / Kammel

4 samples of 0.5 ml, serum (inactivated in case of Hantavirus RNA positive samples)			185,00€ / Survey 138,00€ additional sample
Antibodies against hantaviruses (IgG and IgM) and differentiation of serotype specific antibodies Status of hantavirus infection			
<u>EQA results can only be submitted online!</u>			
Cooperation with: Nationales Konsiliarlabor für Hantaviren, Charité – Universitätsmedizin Berlin, Campus Mitte, Institut für Virologie, Berlin			
	Mar. (2)	Sep. (5)	
Deadline for registration	08.01.19	19.07.19	
Shipment	26.02.19	04.09.19	
Deadline for receipt of data	15.03.19	20.09.19	

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Virus Immunology – Hepatitis A Virus (Ab)

Zeichhardt / Kammel



4 samples of 0.5 ml, serum

71,00€ / Survey
65,00€ additional sample

Anti-HAV IgG

Anti-HAV IgG (quantitative)

Anti-HAV IgM

EQA results can only be submitted online!**participation according to Rili-BÄK:
half-yearly**

	Mar. (2)	June (4)	Sep. (5)	Nov. (6)
Deadline for registration	08.01.19	26.04.19	19.07.19	27.09.19
Shipment	26.02.19	12.06.19	04.09.19	13.11.19
Deadline for receipt of data	15.03.19	28.06.19	20.09.19	29.11.19

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Virus Immunology – Hepatitis B Virus Program 1
(HBsAg, Anti-HBs, Anti-HBc)

Zeichhardt / Kammel



12 samples of serum

161,00€ / Survey
151,00€ additional sample

HBsAg (1 ml)

Confirmation test HBsAg

Anti-HBs (0.75 ml)

Anti-HBc (0.75 ml)

EQA results can only be submitted online!**participation according to Rili-BÄK:
half-yearly**

	Mar. (2)	June (4)	Sep. (5)	Nov. (6)
Deadline for registration	08.01.19	26.04.19	19.07.19	27.09.19
Shipment	26.02.19	12.06.19	04.09.19	13.11.19
Deadline for receipt of data	15.03.19	28.06.19	20.09.19	29.11.19

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Virus Immunology – Hepatitis B Virus Program 2
(Anti-HBc-IgM, HBeAg, Anti-HBe)

Zeichhardt / Kammel



6 samples of 0.5 ml, serum

83,00€ / Survey
77,00€ additional sample

Anti-HBc IgM

HBeAg

Anti-HBe

EQA results can only be submitted online!**participation according to Rili-BÄK:
half-yearly**

	Mar. (2)	June (4)	Sep. (5)	Nov. (6)
Deadline for registration	08.01.19	26.04.19	19.07.19	27.09.19
Shipment	26.02.19	12.06.19	04.09.19	13.11.19
Deadline for receipt of data	15.03.19	28.06.19	20.09.19	29.11.19

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4 samples of 0.5 ml, serum and plasma, respectively					95,00€ / Survey 71,00€ additional sample
Screening test anti-HCV and combined detection anti-HCV and HCV antigen Complementary test (blot) anti-HCV			HCV antigen		participation according to Rili-BÄK: half-yearly
<u>EQA results can only be submitted online!</u>					
	Mar. (2)	June (4)	Sep. (5)	Nov. (6)	
Deadline for registration	08.01.19	26.04.19	19.07.19	27.09.19	
Shipment	26.02.19	12.06.19	04.09.19	13.11.19	
Deadline for receipt of data	15.03.19	28.06.19	20.09.19	29.11.19	



2 samples of 0.5 ml, serum and plasma, respectively					78,00€ / Survey 55,00€ additional sample
Anti-HDV IgG		Anti-HDV IgM			participation according to Rili-BÄK: half-yearly
<u>EQA results can only be submitted online!</u>					
		June (4)	Nov. (6)		
Deadline for registration		26.04.19	27.09.19		
Shipment		12.06.19	13.11.19		
Deadline for receipt of data		28.06.19	29.11.19		



2 samples of 0.4 ml, serum					94,00€ / Survey 68,00€ additional sample
Anti-HEV IgG		Anti-HEV IgM			participation according to Rili-BÄK: half-yearly
<u>EQA results can only be submitted online!</u>					
		June (4)	Nov. (6)		
Deadline for registration		26.04.19	27.09.19		
Shipment		12.06.19	13.11.19		
Deadline for receipt of data		28.06.19	29.11.19		

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2 samples of 0.5 ml, serum			89,00€ / Survey 62,00€ additional sample	
Anti-HSV 1/2 IgG Anti-HSV 1 IgG – avidity Anti-HSV 1/2 IgM	Anti-HSV 1/2 IgG – avidity Anti-HSV 2 IgG Anti-HSV 1 IgM	Anti-HSV 1 IgG Anti-HSV 2 IgG – avidity Anti-HSV 2 IgM		
EQA results can only be submitted online!				
		June (4)	Nov. (6)	
Deadline for registration		26.04.19	27.09.19	
Shipment		12.06.19	13.11.19	
Deadline for receipt of data		28.06.19	29.11.19	



4 samples of 0.75 ml, serum					118,00€ / Survey 81,00€ additional sample	
Screening test anti-HIV-1 / anti-HIV-2 (3rd and 4th generation) Confirmation test (blot and other confirmatory test) anti-HIV-1 / anti-HIV-2 Confirmation test (blot and other confirmatory test) anti-HIV-1 Confirmation test (blot and other confirmatory test) anti-HIV-2					participation according to Rili-BÄK: half-yearly	
EQA results can only be submitted online!						
		Mar. (2)	June (4)	Sep. (5)	Nov. (6)	
Deadline for registration		08.01.19	26.04.19	19.07.19	27.09.19	
Shipment		26.02.19	12.06.19	04.09.19	13.11.19	
Deadline for receipt of data		15.03.19	28.06.19	20.09.19	29.11.19	



2 samples of 0.75 ml, serum					82,00€ / Survey 58,00€ additional sample	
HIV-1 p24 Ag HIV-1 p24 Ag Confirmation test					participation according to Rili-BÄK: half-yearly	
EQA results can only be submitted online!						
		Mar. (2)	June (4)	Sep. (5)	Nov. (6)	
Deadline for registration		08.01.19	26.04.19	19.07.19	27.09.19	
Shipment		26.02.19	12.06.19	04.09.19	13.11.19	
Deadline for receipt of data		15.03.19	28.06.19	20.09.19	29.11.19	

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Virus Immunology – HTLV-1/HTLV-2 (Ab)

Zeichhardt / Kammel



4 samples of 0.5 ml, serum and plasma, respectively

110,00€ / Survey
100,00€ additional sample

Screening test anti-HTLV-1 / anti-HTLV-2

Confirmation test (Blot and other confirmation test) anti-HTLV-1 / anti-HTLV-2

EQA results can only be submitted online!

Cooperation with:

Nationales Referenzzentrum für Retroviren, Max von Pettenkofer-Institut für Hygiene und Medizinische Mikrobiologie, München;
Institut für Medizinische Virologie, Uniklinikum Frankfurt am Main;
Institut für Klinische und Molekulare Virologie, Uniklinikum Erlangen

	June (4)	Nov. (6)
Deadline for registration	26.04.19	27.09.19
Shipment	12.06.19	13.11.19
Deadline for receipt of data	28.06.19	29.11.19

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Virus Immunology – Measles Virus (Ab)

Zeichhardt / Kammel



2 samples of 0.5 ml, serum

80,00€ / Survey
56,00€ additional sample

Anti-measles virus IgG

Anti-measles virus IgG – avidity

Anti-measles virus IgM

EQA results can only be submitted online!

	June (4)	Nov. (6)
Deadline for registration	26.04.19	27.09.19
Shipment	12.06.19	13.11.19
Deadline for receipt of data	28.06.19	29.11.19

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Virus Immunology – Mumps Virus (Ab)

Zeichhardt / Kammel



2 samples of 0.5 ml, serum

80,00€ / Survey
56,00€ additional sample

Anti-mumps virus IgG

Anti-mumps virus IgG – avidity

Anti-mumps virus IgM

EQA results can only be submitted online!

	June (4)	Nov. (6)
Deadline for registration	26.04.19	27.09.19
Shipment	12.06.19	13.11.19
Deadline for receipt of data	28.06.19	29.11.19

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342

Virus Immunology – Parvovirus B19 (Ab)

Zeichhardt / Kammel



4 samples of 0.5 ml, serum and plasma, respectively	107,00€ / Survey 94,00€ additional sample	
Anti-parvovirus B19 IgG Anti-parvovirus B19 IgG – avidity Anti-parvovirus B19 IgM		
<u>EQA results can only be submitted online!</u>		
	June (4)	Nov. (6)
Deadline for registration	26.04.19	27.09.19
Shipment	12.06.19	13.11.19
Deadline for receipt of data	28.06.19	29.11.19

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Virus Immunology – Rubella Virus (Ab)

Zeichhardt / Kammel



2 samples of 0.8 ml, serum	66,00€ / Survey 49,00€ additional sample	
Anti-rubella virus IgG Anti-rubella virus IgG – avidity Anti-rubella virus IgM		
<u>EQA results can only be submitted online!</u>		
	June (4)	Nov. (6)
Deadline for registration	26.04.19	27.09.19
Shipment	12.06.19	13.11.19
Deadline for receipt of data	28.06.19	29.11.19

**participation according to Rili-BÄK:
half-yearly**

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Virus Immunology – Rabies Virus (Tollwutvirus) (Ab)

Zeichhardt / Kammel

2 samples of 0.5 ml, serum and plasma, respectively (vaccinee)	82,00€ / Survey 74,00€ additional sample	
Anti-rabies Virus		
<u>EQA results can only be submitted online!</u>		
Cooperation with: Nationales Referenzzentrum für Hepatitis C, Nationales Konsiliarlabor für Tollwut, Institut für Virologie, Universitätsklinikum Essen		
	Sep. (5)	
Deadline for registration	19.07.19	
Shipment	04.09.19	
Deadline for receipt of data	20.09.19	

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2 samples of 0.5 ml, serum			82,00€ / Survey 58,00€ additional sample
Anti-VZV IgG	Anti-VZV IgG – avidity	Anti-VZV IgM	
<u>EQA results can only be submitted online!</u>			
	June (4)	Nov. (6)	
Deadline for registration	26.04.19	27.09.19	
Shipment	12.06.19	13.11.19	
Deadline for receipt of data	28.06.19	29.11.19	

3 samples of 0.3 ml, serum (inactivated in case of Zika virus RNA positive samples)			189,00€ / Survey 145,00€ additional sample
Anti-ZIKV IgG	Anti-ZIKV IgG – avidity	Anti-ZIKV IgM	
<u>EQA results can only be submitted online!</u>			
Cooperation with: WHO Collaborating Centre for Arbovirus and Haemorrhagic Fever Reference and Research Nationales Referenzzentrum für tropische Infektionserreger, Bernhard-Nocht-Institut für Tropenmedizin, Hamburg; Institut für Medizinische Virologie, Uniklinikum Frankfurt am Main			
	Sep. (5)		
Deadline for registration	19.07.19		
Shipment	04.09.19		
Deadline for receipt of data	20.09.19		

812 Haematology 08 – Blood Smear Analysis: Collection of Cases (01-11)

Diem / Baurmann

Eingedeckte Ausstriche aus peripherem Blut inkl. Lösungsheft zum Selbststudium (Beispiele siehe www.instand-ev.de).

85,00€ / Survey
additional sample not available

Leihfrist je Fallsammlung: 6 Wochen (Lösungsheft kann behalten werden!) Für Präparate, die nicht vollständig und unversehrt zurückgesendet werden, fällt je Fallsammlung eine zusätzliche Gebühr von 150€ an.

Shipment only to German-speaking countries!

	May (2)	Oct. (5)
Deadline for registration	01.03.19	23.08.19
Shipment	20.03.19	11.09.19
Deadline for receipt of data	02.05.19	23.10.19

813 Haematology 08 – Blood Smear Analysis: Collection of Cases (11-20)

Diem / Baurmann

Eingedeckte Ausstriche aus peripherem Blut inkl. Lösungsheft zum Selbststudium (Beispiele siehe www.instand-ev.de).

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Deadline for registration	01.03.19	23.08.19
Shipment	20.03.19	11.09.19
Deadline for receipt of data	02.05.19	23.10.19

814 Haematology 08 – Blood Smear Analysis: Collection of Cases (21-30)

Diem / Baurmann

Eingedeckte Ausstriche aus peripherem Blut inkl. Lösungsheft zum Selbststudium (Beispiele siehe www.instand-ev.de).

85,00€ / Survey
additional sample not available

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Shipment only to German-speaking countries!

	May (2)	Oct. (5)
Deadline for registration	01.03.19	23.08.19
Shipment	20.03.19	11.09.19
Deadline for receipt of data	02.05.19	23.10.19

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Shipment only to German-speaking countries!

85,00€ / Survey
additional sample not available

	May (2)	Oct. (5)
Deadline for registration	01.03.19	23.08.19
Shipment	20.03.19	11.09.19
Deadline for receipt of data	02.05.19	23.10.19

No distribution of samples!

Training course and test at the universities
Ulm estimated on 14.09.2019 and Jena 20.09.2019

A separate mandatory registration is needed. Form see INSTAND e.V.
homepage <http://www.instand-ev.de>

The course is held in German language.

120,00€ / Survey
120,00€ additional sample

	July (4)	Sep. (5)
Deadline for registration	03.06.19	04.09.19
Course	14.07.19	20.09.19
Course location	Ulm	Jena

Online questionnaire and training material on various pre-analytical issues.

The solution is presented immediately after each question and contains detailed expert comments to increase the learning effect.

If they pass, the participant will receive a certificate, otherwise a certificate of participation.

Online training is currently only available in German.

21,00€ / Survey
additional sample not available

	Mar. (2)	Sep. (5)
Deadline for registration	01.03.19	23.08.19
Shipment	18.03.19	09.09.19
Deadline for receipt of data	29.03.19	20.09.19

Online questionnaire and training material

The training includes identification of particles in urine sediment and the further diagnosis based on additional medical data.

The solution is presented immediately after each question and contains detailed expert comments to increase the learning effect.

If they pass, the participant will receive a certificate, otherwise a certificate of participation.

Online training is currently only available in German.

21,00€ / Survey
additional sample not available

	June (4)	Nov. (6)
Deadline for registration	24.05.19	25.10.19
Shipment	10.06.19	11.11.19
Deadline for receipt of data	25.06.19	22.11.19

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In cooperation with

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1. **INSTAND e. V.** – Gesellschaft zur Förderung der Qualitätssicherung in medizinischen Laboratorien e. V. organizes EQA schemes according to the current Guidelines of the Federal Medical Association (Bundesärztekammer) or in corresponding application of these Guidelines respectively.
2. The participation in EQA schemes encompasses the delivery of samples by **INSTAND e. V.**, which the participant analyses in his laboratory. The results of the analysis are to be entered in a protocol form by the participant, which is provided by **INSTAND e. V.** (paper-based or electronically) and shall be returned to **INSTAND e. V.** at the participant's expense. **INSTAND e. V.** reviews the analysis results entered in the protocol forms and issues a certificate or a notification of participation to the participant according to Sec. 10 of these general terms and conditions.
3. The participation in INSTAND-surveys is open to everyone who conducts analysis in his own medical practice or laboratory. The samples of EQA schemes must be handled as if they were patient samples.
4. The contract is concluded upon **INSTAND e. V.**'s acceptance of the legally valid signed application forms by the participant or the application transferred via the home page of **INSTAND e. V.** Acceptance of the application is declared by **INSTAND e. V.** by the delivery of the samples requested for analysis.
5. After the deadline provided in the annual catalogue for registration for the ordered survey has expired, there is no claim for acceptance of orders, contract changes and cancellations.
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7. Samples and the protocol forms will be delivered by **INSTAND e. V.** via post or courier service. Dispatch dates are provided on the order forms. In case of loss of or damage to samples, **INSTAND e. V.** will provide replacement samples, if possible, provided **INSTAND e. V.** has received a corresponding complaint without undue delay.
8. EQA samples containing pathogens or pathogen genomes must only be applied for testing in INSTAND EQA schemes and – in case of apparent test-immanent problems of certain in vitro diagnostic medical devices (IVDs) – for inspection of the relevant IVD. INSTAND EQA samples must not be misused for recombinant production of pathogens or pathogen moieties, neither for scientific nor commercial use.
9. Various aspects of the EQA scheme can (for example, the collection of homogeneity) can be subcontracted by **INSTAND e. V.** In the event of subcontracting, the survey is conducted by subcontractors, who are bound by instructions and obliged to maintain confidentiality.
10. The deadline for returning the protocol forms, filled out by the participant, is listed in the annual catalogue. Only if the protocol forms are received before the deadline and fulfil the corresponding requirements can the certificate of successful participation be issued. In case protocol forms are received after the deadline, only a notification of participation is issued after evaluation of the forms. Additional evaluation reports can be requested in justified cases, subject to payment of a service fee.
11. The fees are set out in the annual catalogue. **INSTAND e. V.** is entitled to make the participation in the EQA scheme as well as the delivery of the certificates conditional upon the payment of fees resulting from earlier EQA schemes.
12. The invoice will be issued after the delivery of the samples of the EQA scheme. The invoice is due after receipt of the certificates or the notification of participation.
13. Any complaints must be made within 4 weeks of receipt of the results of the EQA scheme. Upon expiration of this deadline the participant's claims arising from complaints are excluded.

14. In the event of a justified complaint which **INSTAND e. V.** is liable for, **INSTAND e. V.** may at its sole discretion either waive its claim for fees or carry out an additional EQA scheme. Administrative and handling charges resulting from this, e.g. for reagents, time exposure etc., are nonrefundable, to the extent that **INSTAND e. V.** is not liable according to Sec. 15 of these general terms and conditions.
15. **INSTAND e. V.** shall only be liable, regardless of the legal ground, for damage which has been caused as a result of negligent breach of a substantial contractual duty/cardinal obligation. Liability in terms of amount shall be limited to damage which is predictable and typical. Further liability of **INSTAND e. V.** is excluded. This limitation does not apply to liability for injury to life, body and health and in case of intentional and grossly negligent breach of obligations.
16. **Data Protection**
INSTAND e. V. only collects, processes and uses personal data relating to the participant, insofar as this is far as required for executing the EQA scheme and issuing the certificates or notifications of participation under Sec. 10 of these general terms and conditions, if the participant does not declare further consent. **INSTAND e. V.** uses the measured values provided by the participant of the EQA schemes for scientific evaluations in anonymized form.
17. **Declaration of consent to the processing and use of measurement results**
The participant in EQA schemes declares his consent to the processing and use of the measurement results provided by the participant for the purpose of quality assurance. For this purpose, the measurement results can be disclosed to the manufacturer of the testing system used by the participant for carrying out the measurements in a pseudonymised way, (i.e. only identifiable via the participant identification number) and can be evaluated by the manufacturer. The declaration of consent is issued voluntarily and can be revoked by the participant with a declaration addressed to **INSTAND e. V.** at any time with future effect.
18. The place of performance is Düsseldorf.
19. The laws of the Federal Republic of Germany shall apply to the contract exclusively with the exception of the Private International Law and the UN Sales Convention (CISG).
20. If the participant is a merchant in the meaning of sec. 1 (1) of the Handelsgesetzbuch (German Commercial Code) or is a legal entity (under public law) or special fund organized under public law, the district court of Düsseldorf shall have exclusive jurisdiction in respect of all disputes arising out of or in connection with the contract.
21. Unless expressly otherwise agreed, only these general terms and conditions shall apply to the participation in INSTAND EQA schemes. Any general terms and conditions of the participant shall not apply, even if they have not been specifically rejected by **INSTAND e. V.**
22. Should an individual term of these general terms and conditions partially or completely be or become invalid or unenforceable, this shall not affect the validity of the remaining terms. The same shall apply in case of any omissions. Instead of the invalid, unenforceable or missing term, to the extent legally possible an appropriate term shall be deemed to have been agreed upon which is closest to what the parties economically intended or according to purpose to the agreement would have intended had they been aware of this point. The same shall apply to invalid terms which concern the scope or the time (deadline and date) of performance; in such a case, a legally permissible scope or time of performance shall be deemed to have been agreed upon which is closest to what the parties economically intended.
23. In case of contradictions between the German and the English version of these general terms and conditions, the German version shall prevail.

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