

2018



INSTAND

Program

of External Quality Assessment
Schemes in Medical Laboratories

IN STAND
Gesellschaft zur Förderung
der Qualitätssicherung
in medizinischen Laboratorien e. V.

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PREFACE

INSTAND e. V. is an interdisciplinary, non-profit, scientific medical society. In its capacity as a medical society, it has been performing external quality assessment tests in the field of hermatology since 1968 and in all other fields of in vitro diagnostics since 1970. INSTAND and its employees 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 (RiliBÄK). We send about 160.000 samples per year to around 12.000 laboratories that participate in our EQA tests.

The paramters required by the guideline of the German Medical Association (B 1, B 2, B 3 und B 5) can be found in our program booklet (pages 9-13). These are highlited in **orange** in our EQA section as in previous years. The entire guideline text can be downloaded from the internet www.baek.de.

Our newly developed EQA online system is a clear and easy way to conduct online data entry <https://rv-online.instandev.de/>. The assessment documents also have a new, clear format.

You are welcome to send your results electronically on our website www.instand-ev.de. This saves you having to register on paper – the environment will thank you for it!

New molecular oncology EQA tests (Nos. 765, 766, 767 and 768) have been added to our program. Since 2017 we have also offered an EQA test on hematopoetic growth factors, No. 626.

In the 2018 program you will find the EQA tests organized by INSTAND e. V. along with the corresponding sign-up forms. Please bear in mind the registration and cancellation deadlines as we cannot otherwise guarantee your enrollment in the EQA test. If you already have a subscription, you won't be receiving a registration form. You may also download the form from our website at www.instand-ev.de. Please note that any claims must be made within four weeks after receiving the EQA test results.

We look forward to your continued cooperation with us.

SAVE
THE
DATE



Joint annual Symposium
01. – 03. March 2018
Kap Europa. Messe Frankfurt, Germany.



Further information and the application form can be found soon at 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 QAS: 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 RiliBÄK 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) 14.0%	Quarter	292
Chloride	Quarter	100, 161, 163, 810
Cholesterol (total)	Quarter	100, 120, 151, 810
Cortisol	Quarter	302
Creatine kinase (CK) EC 2.7.3.2 11.0%	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	297
Gamma glutamyl transferase (γ-GT) 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	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 RiliBÄK 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.	B 1c	Analytes in Cerebrospinal Fluid	Frequency	Group no.
	Albumin	Quarter	173		Albumin	Quarter	460
	Calcium	Quarter	173		Glucose	Quarter	464
	Glucose	Quarter	173		Immunoglobulin IgA	Quarter	460
	Uric acid	Quarter	173		Immunoglobulin IgG	Quarter	460
	Urea	Quarter	173		Immunoglobulin IgM	Quarter	460
	Potassium	Quarter	173		Lactate	Quarter	464
	Creatinine	Quarter	173		Protein (total)	Quarter	460
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B 2	Qualitative laboratory testing	Frequency	Group no.
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	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
	Chromatographic analysis with identification of the active substance (STA)	Half-year	188
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	Differential, blood smear	Quarter	212
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	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
	HBc antigen, antibodies against	Half-year	344
	HBe antigen, antibodies against	Half-year	345

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B 2

Qualitative laboratory testing

Frequency

Group no.

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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 against	Half-year	452
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B 3

Direct detection and characterisation
of infectious agents

Frequency

Group no.

Bacteria

Gram stain	Half-year	413
Cultivation, identification and sensitivity testing of bacteria	Half-year	411, 412
Cultivation, identification and sensitivity testing of fast-growing bacteria and detection of accompanying bacterial flora of the urogenital system	Half-year	411, 412
Bordetella pertussis, genome detection	Half-year	532
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Chlamydia pneumoniae, genome detection	Half-year	540
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Chlamydia trachomatis, genome detection	Half-year	530, 531
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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

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**Direct detection and characterisation
of infectious agents****Frequency****Group no.**

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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
Identification of mycobacteria	Half-year	423
Tuberculosis bacteria, genome detection	Half-year	424

Parasites

Parasites in the blood, microscopic detection	Half-year	456
Parasites in the stool, microscopic detection	Half-year	451
Toxoplasma gondii, genome detection	Half-year	457

Yeasts

Cultivation and identification of yeasts and hyphomycetes	Half-year	490
Identification of dermatophytes, yeasts and moulds (pathogens of dermatomycoses and mucosal yeast infections)	Half-year	491
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
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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

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

participation according to RiliBÄK:
half-yearly

	Jan. (1)	May (3)	July (4)	Oct. (6)
Deadline for registration	24.11.17	09.02.18	06.04.18	13.07.18
Shipment	10.01.18	07.05.18	04.07.18	10.10.18
Deadline for receipt of data	24.01.18	25.05.18	18.07.18	24.10.18

251

Autoimmune Diseases 01 – Connective Tissue Diseases (ANA)

Blüthner / Seelig

2 samples of 0.3 ml, serum

Antibodies against cell nuclei (antinuclear antibodies)

ANA anti-DFS70/LEDGF anti-ds-DNA

participation according to RiliBÄK:
half-yearly

	Mar. (2)	Sep. (5)
Deadline for registration	12.01.18	29.06.18
Shipment	07.03.18	29.08.18
Deadline for receipt of data	21.03.18	12.09.18

253

Autoimmune Diseases 02 – Hepatic Syndromes

Blüthner / Seelig

2 samples of 0.3 ml, serum

anti-Actin anti-Microsomes (LKM 1) anti-Smooth Muscle anti-Mitochondria anti-H+/K+-ATPase anti-Parietal Cells

	Mar. (2)	Sep. (5)
Deadline for registration	12.01.18	29.06.18
Shipment	07.03.18	29.08.18
Deadline for receipt of data	21.03.18	12.09.18

255 Autoimmune Diseases 03 – Connective Tissue Diseases (ENA)

Blüthner / Seelig

2 samples of 0.3 ml, serum		
Antibodies against ENA		
anti-Jo 1 (Histidyl-tRNA-Synthetase) anti-Sm anti-SSA / Ro anti-SSA / Ro (60kD – Proteins) anti-Topoisomerase-1 (Scl 70)	anti-PM / Scl anti-Sm (D) anti-SSA / Ro (52kD – Proteins) anti-SSB / La anti-U1 -snRNP (Anti-U1 -70K)	
Sep. (5)		
Deadline for registration	29.06.18	
Shipment	29.08.18	
Deadline for receipt of data	12.09.18	

257 Autoimmune Diseases 04 – Vasculitis/Glomerulopathies

Blüthner / Seelig

2 samples of 0.3 ml, serum			participation according to RiliBÄK: half-yearly
Antibodies against neutrophilic granulocytes (ANCA)			
anti-glomerular basement membrane (GBM) c-ANCA	anti-MPO (semi-quantitative) p-ANCA	anti-PR3	
	Mar. (2)	Sep. (5)	
Deadline for registration	12.01.18	29.06.18	
Shipment	07.03.18	29.08.18	
Deadline for receipt of data	21.03.18	12.09.18	

259 Autoimmune Diseases 05 – Autoimmune Dermatitis

Blüthner / Seelig

2 samples of 0.3 ml, serum			
anti-BPAG-1	anti-BPAG-2	anti-Desmoglein-1	
anti-Desmoglein-3	anti-Desmoplakin	anti-Hemidesmosomes	
anti-Desmosomes			
	Mar. (2)		
Deadline for registration	12.01.18		
Shipment	07.03.18		
Deadline for receipt of data	21.03.18		

261 Autoimmune Diseases 06 – Diabetes mellitus

Blüthner / Seelig

2 samples of 0.3 ml, serum			
anti-Glutamic Acid Decarboxylase (GAD)	anti-Islet Cells (ICA)	anti-Insulin (IAA)	
anti-Tyrosine Phosphatase (IA2)	anti-Zinc Transporter 8 (ZnT8A)		
		Sep. (5)	
Deadline for registration		29.06.18	
Shipment		29.08.18	
Deadline for receipt of data		12.09.18	

2 samples of 0.3 ml, serum

anti-Adrenal Cortex
anti-P450 C21 -Hydroxylaseanti-P450 C17 -Hydroxylase
anti-P450 ssc -Hydroxylase**Sep. (5)**

Deadline for registration

29.06.18

Shipment

29.08.18

Deadline for receipt of data

12.09.18

2 samples of 0.3 ml, serum

anti-Amphiphysin 1
Nuclei
anti-SOX1anti-Glial Nuclear Antibody (AGNA)
anti-Purkinje Cells
anti-Ta (Ma 2)anti-HuD anti-Neuronal
anti-Ri / Nova 1
anti-Yo (CDR62)**Mar. (2)**

Deadline for registration

12.01.18

Shipment

07.03.18

Deadline for receipt of data

21.03.18

2 samples of 0.3 ml, serum

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

12.01.18

Shipment

07.03.18

Deadline for receipt of data

21.03.18

2 samples of 0.3 ml, serum

anti-Acetylcholin Receptors
anti-Striational Muscleanti-Musclespecific Receptor Tyrosinkinase (MuSK)
anti-Titin**Mar. (2)**

Deadline for registration

12.01.18

Shipment

07.03.18

Deadline for receipt of data

21.03.18

271 Autoimmune Diseases 11 – Gluten-Sensitive Enteropathies

Blüthner / Stern / Seelig

2 samples of 0.3 ml, serum			participation according to RiliBÄK: half-yearly
anti-deamidated Gliadin IgA anti-Gliadin IgA	anti-deamidated Gliadin IgG anti-Gliadin IgG	anti-Endomysium IgA anti-Transglutaminase IgA	
	Mar. (2)	Sep. (5)	
Deadline for registration	12.01.18	29.06.18	
Shipment	07.03.18	29.08.18	
Deadline for receipt of data	21.03.18	12.09.18	

273 Autoimmune Diseases 12 – Rheumatoid Arthritis

Blüthner / Seelig

2 samples of 0.3 ml, serum			participation according to RiliBÄK: quarterly
anti-CCP (cyclic citrulline peptide) Rheumatoid Factors		anti-MCV (mutated citrullinated Vimentin)	
Additional terms see EQA No. 323!			
	Mar. (2)	Sep. (5)	
Deadline for registration	12.01.18	29.06.18	
Shipment	07.03.18	29.08.18	
Deadline for receipt of data	21.03.18	12.09.18	

275 Autoimmune Diseases 13 – Antiphospholipid Syndrome

Blüthner / Seelig

2 samples of 0.3 ml, serum			
anti-Cardiolipin (IgG) anti-β2-Glycoprotein (IgM)	anti-Cardiolipin (IgM)	anti-β2-Glycoprotein (IgG)	
		Sep. (5)	
Deadline for registration		29.06.18	
Shipment		29.08.18	
Deadline for receipt of data		12.09.18	

618

Engraftment- and Chimerism Diagnostics

Reibke / Dick / Spannagl

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

additional sample not available

Chimerism diagnostics after stem cell transplantation
Evaluation and diagnosis Receiver
Only annual subscription possible!

	May (3)	Nov. (6)
Deadline for registration	23.02.18	21.09.18
Shipment	09.04.18	06.11.18
Deadline for receipt of data	02.05.18	27.11.18

440

Immunogenetics 01 – HLA-B27 Determination

Lachmann / Schönmann

5 blood samples

additional sample not available

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

participation according to RiliBÄK:
half-yearly

	Feb. (1)	Apr. (3)	Aug. (4)	Nov. (6)
Deadline for registration	24.11.17	23.02.18	08.06.18	21.09.18
Shipment	22.01.18	09.04.18	23.07.18	05.11.18
Deadline for receipt of data	13.02.18	30.04.18	13.08.18	26.11.18

441

Immunogenetics 02 – Serology HLA Typing Class I and II

Lachmann / Schönmann

5 blood samples

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	24.11.17	23.02.18	08.06.18	21.09.18
Shipment	22.01.18	09.04.18	23.07.18	05.11.18
Deadline for receipt of data	13.02.18	30.04.18	13.08.18	26.11.18

442

Immunogenetics 03 – DNA-Based Typing of HLA Class II

Lachmann / Schönmann

5 blood samples

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	24.11.17	23.02.18	08.06.18	21.09.18
Shipment	22.01.18	09.04.18	23.07.18	05.11.18
Deadline for receipt of data	13.02.18	30.04.18	13.08.18	26.11.18

5 samples (buffy coat)					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	24.11.17	23.02.18	08.06.18	21.09.18	
Shipment	22.01.18	09.04.18	23.07.18	05.11.18	
Deadline for receipt of data	13.02.18	30.04.18	13.08.18	26.11.18	

5 serum samples			Maximum order: 2 sets of samples
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	24.11.17	08.06.18	
Shipment	22.01.18	23.07.18	
Deadline for receipt of data	26.02.18	27.08.18	

1 serum set (20 Sera) / year		additional sample not available
HLA crossmatching (lymphocytotoxic crossmatching)		
Group 443: only in block with No. 441 July/August. Registration deadline: 24.11.2017 and shipment of serum samples on 22.01.2018. The HLA crossmatching should be done with the shipping of the group 441 July/August.		
	Aug. (4)	
Deadline for registration	24.11.17	
Shipment	22.01.18	
Deadline for receipt of data	27.08.18	

734

Apolipoprotein E (E2, E3, E4)

Flörke / Kappert

2 samples of 0.5 ml human blood

additional sample not available

Apo E (genotypes 2, 3, 4)

**participation according to RiliBÄK:
half-yearly**

	Apr. (2)	Oct. (5)
Deadline for registration	12.01.18	20.07.18
Shipment	14.03.18	19.09.18
Deadline for receipt of data	11.04.18	17.10.18

730

Factor V-Leiden-Mutation

Flörke / Kappert

2 samples of 0.5 ml human blood

additional sample not available

Factor V-Leiden

**participation according to RiliBÄK:
half-yearly**

	Apr. (2)	Oct. (5)
Deadline for registration	12.01.18	20.07.18
Shipment	14.03.18	19.09.18
Deadline for receipt of data	11.04.18	17.10.18

733

HFE H63D, C282Y (optional: S65C)

Flörke / Kappert

2 samples of 0.5 ml human blood

additional sample not available

HFE: C 282 Y

HFE: H 63 D

HFE: S 65 C

**participation according to RiliBÄK:
half-yearly**

	Apr. (2)	Oct. (5)
Deadline for registration	12.01.18	20.07.18
Shipment	14.03.18	19.09.18
Deadline for receipt of data	11.04.18	17.10.18

732

MTHFR C677T (optional: A1298C)

Flörke / Kappert

2 samples of 0.5 ml human blood

additional sample not available

MTHFR (A 1298 C)

MTHFR (C 677 T)

**participation according to RiliBÄK:
half-yearly**

	Apr. (2)	Oct. (5)
Deadline for registration	12.01.18	20.07.18
Shipment	14.03.18	19.09.18
Deadline for receipt of data	11.04.18	17.10.18

735 PAI-1 (4G/5G)

Flörke / Kappert

2 samples of 0.5 ml human blood

additional sample not available

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

participation according to RiliBÄK:
half-yearly

	Apr. (2)	Oct. (5)
Deadline for registration	12.01.18	20.07.18
Shipment	14.03.18	19.09.18
Deadline for receipt of data	11.04.18	17.10.18

731 Prothrombin 20210

Flörke / Kappert

2 samples of 0.5 ml human blood

additional sample not available

Prothrombin 20210

participation according to RiliBÄK:
half-yearly

	Apr. (2)	Oct. (5)
Deadline for registration	12.01.18	20.07.18
Shipment	14.03.18	19.09.18
Deadline for receipt of data	11.04.18	17.10.18

Molecular genetics 02**740 Set 01-A – Factor V-Leiden-Mutation**

Flörke / Kappert

3 samples, DNA (in water) isolated from human leukocytes

additional sample not available

Coagulation:

Factor V-Leiden

participation according to RiliBÄK:
half-yearly

	Feb. (1)	June (3)	Nov. (6)
Deadline for registration	24.11.17	09.03.18	10.08.18
Shipment	10.01.18	07.05.18	10.10.18
Deadline for receipt of data	07.02.18	06.06.18	07.11.18

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

Flörke / Kappert

3 samples, DNA (in water) isolated from human leukocytes

additional sample not available

Coagulation:

HPA: 1a, 1b

	Feb. (1)	June (3)	Nov. (6)
Deadline for registration	24.11.17	09.03.18	10.08.18
Shipment	10.01.18	07.05.18	10.10.18
Deadline for receipt of data	07.02.18	06.06.18	07.11.18

739

Set 01-C – Collagen Receptor C807T

Flörke / Kappert

3 samples, DNA (in water) isolated from human leukocytes

additional sample not available

Coagulation:

Collagen receptor GP Ia/IIa (C 807 T)

	Feb. (1)	June (3)	Nov. (6)
Deadline for registration	24.11.17	09.03.18	10.08.18
Shipment	10.01.18	07.05.18	10.10.18
Deadline for receipt of data	07.02.18	06.06.18	07.11.18

747

Set 01-D – MTHFR C677T (optional A1298C)

Flörke / Kappert

3 samples, DNA (in water) isolated from human leukocytes

additional sample not available

Coagulation:

MTHFR (A 1298 C)

MTHFR (C 677 T)

**participation according to RiliBÄK:
half-yearly**

	Feb. (1)	June (3)	Nov. (6)
Deadline for registration	24.11.17	09.03.18	10.08.18
Shipment	10.01.18	07.05.18	10.10.18
Deadline for receipt of data	07.02.18	06.06.18	07.11.18

748

Set 01-E – PAI-1 (4G/5G)

Flörke / Kappert

3 samples, DNA (in water) isolated from human leukocytes

additional sample not available

Coagulation:

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

**participation according to RiliBÄK:
half-yearly**

	Feb. (1)	June (3)	Nov. (6)
Deadline for registration	24.11.17	09.03.18	10.08.18
Shipment	10.01.18	07.05.18	10.10.18
Deadline for receipt of data	07.02.18	06.06.18	07.11.18

746

Set 01-F – Prothrombin 20210

Flörke / Kappert

3 samples, DNA (in water) isolated from human leukocytes

additional sample not available

Coagulation:

Prothrombin 20210

**participation according to RiliBÄK:
half-yearly**

	Feb. (1)	June (3)	Nov. (6)
Deadline for registration	24.11.17	09.03.18	10.08.18
Shipment	10.01.18	07.05.18	10.10.18
Deadline for receipt of data	07.02.18	06.06.18	07.11.18

3 samples, DNA (in water) isolated from human leukocytes				additional sample not available
Hereditary fructose intolerance:				
Aldolase B: A 149 P	Aldolase B: A 174 D	Aldolase B: N 334 K		
	Feb. (1)	June (3)	Nov. (6)	
Deadline for registration	24.11.17	09.03.18	10.08.18	
Shipment	10.01.18	07.05.18	10.10.18	
Deadline for receipt of data	07.02.18	06.06.18	07.11.18	

3 samples, DNA (in water) isolated from human leukocytes				additional sample not available
Enzyme inhibitors:				
a1-AT S-Locus		a1-AT Z-Locus		
	Feb. (1)	June (3)	Nov. (6)	participation according to RiliBÄK: half-yearly
Deadline for registration	24.11.17	09.03.18	10.08.18	
Shipment	10.01.18	07.05.18	10.10.18	
Deadline for receipt of data	07.02.18	06.06.18	07.11.18	

3 samples, DNA (in water) isolated from human leukocytes				additional sample not available
Lipoproteins:				
Apo E (genotypes 2, 3, 4)				
	Feb. (1)	June (3)	Nov. (6)	participation according to RiliBÄK: half-yearly
Deadline for registration	24.11.17	09.03.18	10.08.18	
Shipment	10.01.18	07.05.18	10.10.18	
Deadline for receipt of data	07.02.18	06.06.18	07.11.18	

3 samples, DNA (in water) isolated from human leukocytes				additional sample not available
M. Wilson:				
ATP 7 B: H 1069 Q				
	Feb. (1)	June (3)	Nov. (6)	participation according to RiliBÄK: yearly
Deadline for registration	24.11.17	09.03.18	10.08.18	
Shipment	10.01.18	07.05.18	10.10.18	
Deadline for receipt of data	07.02.18	06.06.18	07.11.18	

741

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

Flörke / Kappert

3 samples, DNA (in water) isolated from human leukocytes

additional sample not available

Haemochromatosis:

HFE: C 282 Y

HFE: H 63 D

HFE: S 65 C

**participation according to RiliBÄK:
half-yearly**

	Feb. (1)	June (3)	Nov. (6)
Deadline for registration	24.11.17	09.03.18	10.08.18
Shipment	10.01.18	07.05.18	10.10.18
Deadline for receipt of data	07.02.18	06.06.18	07.11.18

742

Set 02-F – UDP-Glucuronyltransferase 1

Flörke / Kappert

3 samples, DNA (in water) isolated from human leukocytes

additional sample not available

Hyperbilirubinaemia:

UDP-glucuronyl transferase (TA)6, (TA)7

**participation according to RiliBÄK:
half-yearly**

	Feb. (1)	June (3)	Nov. (6)
Deadline for registration	24.11.17	09.03.18	10.08.18
Shipment	10.01.18	07.05.18	10.10.18
Deadline for receipt of data	07.02.18	06.06.18	07.11.18

792

Set 03-A – Antithrombin (AT3; SERPINC1)

Flörke / Kappert

3 samples, DNA suspended in water

additional sample not available

Antithrombin (AT3; SERPINC1) (3 exons as specified)

	Feb. (1)	Nov. (6)
Deadline for registration	24.11.17	10.08.18
Shipment	10.01.18	10.10.18
Deadline for receipt of data	07.02.18	07.11.18

738

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

Flörke / Kappert

3 samples, DNA suspended in water

additional sample not available

Ret Proto-oncogene, exon 10-16

	Feb. (1)	Nov. (6)
Deadline for registration	24.11.17	10.08.18
Shipment	10.01.18	10.10.18
Deadline for receipt of data	07.02.18	07.11.18

790

Set 03-C – Protein C

Flörke / Kappert

3 samples, DNA suspended in water			additional sample not available
Protein C(3 exons as specified)			
	Feb. (1)	Nov. (6)	
Deadline for registration	24.11.17	10.08.18	
Shipment	10.01.18	10.10.18	
Deadline for receipt of data	07.02.18	07.11.18	

791

Set 03-D – Protein S

Flörke / Kappert

3 samples, DNA suspended in water		additional sample not available
Protein S (3 exons as specified)		
	Feb. (1)	
Deadline for registration	24.11.17	10.08.18
Shipment	10.01.18	10.10.18
Deadline for receipt of data	07.02.18	07.11.18

Molecular genetics 03

770

Set 01 – Lactase-gene (LCT)

Maly / Fried

3 samples of 20 µl DNA in Tris-EDTA			participation according to RiliBÄK: half-yearly
Lactase-Gene (LCT) (T -13910 C)			
	Apr. (2)	Nov. (6)	
Deadline for registration	12.01.18	10.08.18	
Shipment	07.03.18	10.10.18	
Deadline for receipt of data	04.04.18	07.11.18	

771

Set 02 – ApoB

Maly / Fried

3 samples of 20 µl DNA in Tris-EDTA			participation according to RiliBÄK: half-yearly
Apo B 100 (R 3500 Q)			
	Apr. (2)	Nov. (6)	
Deadline for registration	12.01.18	10.08.18	
Shipment	07.03.18	10.10.18	
Deadline for receipt of data	04.04.18	07.11.18	

772

Set 03 – HLA-DQ

Maly / Fried

3 samples of 20 µl DNA in Tris-EDTA

HLA DQA1*05

HLA DQB1*02

HLA DQB1*03:02

Apr. (2)

Nov. (6)

Deadline for registration

12.01.18

10.08.18

Shipment

07.03.18

10.10.18

Deadline for receipt of data

04.04.18

07.11.18

773

Set 04 – CYP21A2 21-Hydroxylase

Maly / Fried

3 samples of 40 µl DNA in Tris-EDTA

Cyp21A2 gene (Del 8bp)

Cyp21A2 gene (E 6 Cluster)

Cyp21A2 gene (F 306 +T)

Cyp21A2 gene (I 172 N)

Cyp21A2 gene (I 2 G)

Cyp21A2 gene (P 30 L)

Cyp21A2 gene (P 453 S)

Cyp21A2 gene (Q 318 X)

Cyp21A2 gene (R 356 W)

Cyp21A2 gene (V 281 L)

participation according to RiliBÄK:
yearly

Apr. (2)

Nov. (6)

Deadline for registration

12.01.18

10.08.18

Shipment

07.03.18

10.10.18

Deadline for receipt of data

04.04.18

07.11.18

774

Set 05 – NOD2

Maly / Fried

3 samples of 20 µl DNA in Tris-EDTA

NOD2 (G 908 R)

NOD2 (L 1007fs InsC)

NOD2 (R 702 W)

Apr. (2)

Nov. (6)

Deadline for registration

12.01.18

10.08.18

Shipment

07.03.18

10.10.18

Deadline for receipt of data

04.04.18

07.11.18

775

Set 06 – CYP2C9 CYP2C19 VKORC1 TPMT

Maly / Fried

3 samples of 40 µl DNA in Tris-EDTA

CYP2C19*2 Allele: G 681 A

CYP2C19*3 Allele: G 636 A

CYP2C9*2 Allele: C 430 T

CYP2C9*3 Allele: A 1075 C

TPMT (nt. A 719 G)

TPMT (nt. G 460 A)

TPMT*2 Allele (nt. G 238 C)

TPMT*3A Allele (nt. G 460 A + nt. A 719 G)

TPMT*3B Allele (nt. G 460 A)

TPMT*3C Allele (nt. A 719 G)

VKORC1: C 1173 T

VKORC1: G -1639 A

participation according to RiliBÄK:
half-yearly

Apr. (2)

Nov. (6)

Deadline for registration

12.01.18

10.08.18

Shipment

07.03.18

10.10.18

Deadline for receipt of data

04.04.18

07.11.18

776 Set 07 – K-ras Codon 12/13/61

Maly / Fried

3 samples of 40 µl DNA in Tris-EDTA		
K-ras Codon 12 mutation K-ras Codon 12/13 mutation K-ras Codon 13 mutation type K-ras Codon 61 mutation type	K-ras Codon 12 mutation type K-ras Codon 13 mutation K-ras Codon 61 mutation	
	Apr. (2)	Nov. (6)
Deadline for registration	12.01.18	10.08.18
Shipment	07.03.18	10.10.18
Deadline for receipt of data	04.04.18	07.11.18

777 Set 08 – CYP2D6 DPD IL28B

Maly / Fried

3 samples of 40 µl DNA in Tris-EDTA		
CYP2D6 Gene Duplication CYP2D6*5: complete Deletion IL-28B C/T: rs 12979860	CYP2D6*3: A2637 del CYP2D6*6: T1795 del	CYP2D6*4: G 1934 A DPD (exon 14 skipping)
	Apr. (2)	Nov. (6)
Deadline for registration	12.01.18	10.08.18
Shipment	07.03.18	10.10.18
Deadline for receipt of data	04.04.18	07.11.18

participation according to RiliBÄK:
half-yearly

778 Set 09 – CFTR Common Mutations

Maly / Fried

3 samples of 40 µl DNA in Tris-EDTA		
CFTR gene (1078 del T) CFTR gene (2183A A>G) CFTR gene (2789+5 G>A) CFTR gene (3849+10kb C>T) CFTR gene (dele2,3 (21kb) CFTR gene (G 551 D) CFTR gene (I 336 K) Tract)) CFTR gene (R 1162 X) CFTR gene (R 347 H) CFTR gene (W 1282 X)	CFTR gene (1342-2 A>C) CFTR gene (2184 ins A) CFTR gene (3272-26 A>G) CFTR gene (394 del TT) CFTR gene (delta F 508) CFTR gene (G 85 E) CFTR gene (I 507 del) CFTR gene (M 1101 K) CFTR gene (R 117 H) CFTR gene (R 347 P) CFTR gene (Y 1092 X (C>A))	CFTR gene (1717-1 G>A) CFTR gene (2413 del T) CFTR gene (3659 del C) CFTR gene (621+1 G>T) CFTR gene (G 542 X) CFTR gene (I 148 T) CFTR gene (Intron 8 (Polypyrimidine CFTR gene (N 1303 K) CFTR gene (R 334 W) CFTR gene (R 553 X)
	Apr. (2)	Nov. (6)
Deadline for registration	12.01.18	10.08.18
Shipment	07.03.18	10.10.18
Deadline for receipt of data	04.04.18	07.11.18

participation according to RiliBÄK:
yearly

779

Set 10 – BRCA1 BRCA2

Maly / Fried

3 samples of 40 µl DNA in Tris-EDTA

BRCA1 mutation
BRCA2 mutation type

BRCA1 mutation type

BRCA2 mutation

participation according to RiliBÄK:
yearly

Apr. (2)

Nov. (6)

Deadline for registration

12.01.18

10.08.18

Shipment

07.03.18

10.10.18

Deadline for receipt of data

04.04.18

07.11.18

780

Set 11 – Dystrophin (Becker-Duchenne)

Maly / Fried

3 samples of 40 µl DNA in Tris-EDTA

Dystrophin – mutation

Dystrophin – mutation type

participation according to RiliBÄK:
yearly

Apr. (2)

Nov. (6)

Deadline for registration

12.01.18

10.08.18

Shipment

07.03.18

10.10.18

Deadline for receipt of data

04.04.18

07.11.18

781

Set 12 – FMR1 Fragile X

Maly / Fried

3 samples of 40 µl DNA in Tris-EDTA

FMR1 gene male – evaluation

FMR1 gene male – number of CGG repeats

FMR1 gene female – evaluation / Allele 1

FMR1 gene female – evaluation / Allele 2

FMR1 gene female – number of CGG repeats / Allele 1

FMR1 gene female – number of CGG repeats / Allele 2

Sex

participation according to RiliBÄK:
yearly

Apr. (2)

Nov. (6)

Deadline for registration

12.01.18

10.08.18

Shipment

07.03.18

10.10.18

Deadline for receipt of data

04.04.18

07.11.18

782

Set 13 – GJB2 Connexin 26

Maly / Fried

3 samples of 20 µl DNA in Tris-EDTA

GJB2 35del G (Connexin 26)

participation according to RiliBÄK:
yearly

Apr. (2)

Nov. (6)

Deadline for registration

12.01.18

10.08.18

Shipment

07.03.18

10.10.18

Deadline for receipt of data

04.04.18

07.11.18

783 Set 14 – MSH2 MLH1 (HNPCC)

Maly / Fried

3 samples of 40 µl DNA in Tris-EDTA				participation according to RiliBÄK: yearly
MLH1 mutation	MLH1 mutation type	MSH2 mutation	MSH2 mutation type	
	Apr. (2)		Nov. (6)	
Deadline for registration	12.01.18		10.08.18	
Shipment	07.03.18		10.10.18	
Deadline for receipt of data	04.04.18		07.11.18	

784 Set 15 – HTT Huntingtin

Maly / Fried

3 samples of 40 µl DNA in Tris-EDTA				participation according to RiliBÄK: yearly
HTT Gen – evaluation allele 1	HTT Gen – evaluation allele 2			
HTT Gen – CAG repeats allele 1	HTT Gen – CAG repeats allele 2			
	Apr. (2)		Nov. (6)	
Deadline for registration	12.01.18		10.08.18	
Shipment	07.03.18		10.10.18	
Deadline for receipt of data	04.04.18		07.11.18	

786 Set 16 – ANCR (Prader-Willi, Angelman)

Maly / Fried

3 samples of 40 µl DNA in Tris-EDTA				participation according to RiliBÄK: yearly
SNRPN gene – diagnosis	SNRPN gene – maternal allele	SNRPN gene – paternal allele		
	Apr. (2)		Nov. (6)	
Deadline for registration	12.01.18		10.08.18	
Shipment	07.03.18		10.10.18	
Deadline for receipt of data	04.04.18		07.11.18	

787 Set 17 – SMN1 (Spinal Muscular Atrophy)

Maly / Fried

3 samples of 40 µl DNA in Tris-EDTA				participation according to RiliBÄK: yearly
SMN1 Gen – exon 7 deletion	SMN1 Gen – exon 8 deletion			
	Apr. (2)		Nov. (6)	
Deadline for registration	12.01.18		10.08.18	
Shipment	07.03.18		10.10.18	
Deadline for receipt of data	04.04.18		07.11.18	

3 samples of 40 µl DNA in Tris-EDTA

Y-Chromosome AZFa deletion

Y-Chromosome AZFb deletion

Y-Chromosome AZFc deletion

participation according to RiliBÄK:
yearly

Apr. (2)

Nov. (6)

Deadline for registration

12.01.18

10.08.18

Shipment

07.03.18

10.10.18

Deadline for receipt of data

04.04.18

07.11.18

3 samples DNA

alpha-Globin – 3.7 single gene deletion

alpha-Globin – a2 cd 19 (-G)

alpha-Globin – a2 IVS1 – 5nt

alpha-Globin – evaluation

beta-Globin – evaluation

beta-Globin – codon 5 (-CT)

beta-Globin – HbC

beta-Globin – HbS

beta-Globin – VS 2.1 (G>A)

alpha-Globin – 4.2 single gene deletion

alpha-Globin – a2 init cd (T>C)

alpha-Globin – anti- 3.7 gene triplication

alpha-Globin – SEA double gene deletion

beta-Globin – codon 39 (C>T)

beta-Globin – codon 8 (-AA)

beta-Globin – HbE

beta-Globin – IVS 1.110 (G>A)

beta-Globin – IVS 2.745 (C>G)

Apr. (2)

Nov. (6)

Deadline for registration

12.01.18

10.08.18

Shipment

07.03.18

10.10.18

Deadline for receipt of data

04.04.18

07.11.18

Molecular genetics 04

2 DNA samples

CALR Exon 9 Mutation(s)

CALR Specification

Apr. (2)

Nov. (6)

Deadline for registration

12.01.18

10.08.18

Shipment

07.03.18

10.10.18

Deadline for receipt of data

04.04.18

07.11.18

767

KIT

NEW

Kreuzer / Kleinert

2 DNA samples

p.D816V

Apr. (2)

Nov. (6)

Deadline for registration

12.01.18

10.08.18

Shipment

07.03.18

10.10.18

Deadline for receipt of data

04.04.18

07.11.18

766

MYD88

NEW

Kreuzer / Kleinert

2 DNA samples

p.L265P

Apr. (2)

Nov. (6)

Deadline for registration

12.01.18

10.08.18

Shipment

07.03.18

10.10.18

Deadline for receipt of data

04.04.18

07.11.18

765

TP53

NEW

Kreuzer / Kleinert

2 DNA samples

TP53 Mutation(s)

TP53 Nomenclature

Apr. (2)

Nov. (6)

Deadline for registration

12.01.18

10.08.18

Shipment

07.03.18

10.10.18

Deadline for receipt of data

04.04.18

07.11.18

211

Haematology 01 – Blood Cell Count

Dorn-Beineke / Nebe

2 specimen of 2 ml, stabilized control blood

Analysis of Haemoglobin with HemoCue systems is possible!

Erythrocytes
Haemoglobin
ThrombocytesHaematocrit el.count
LeucocytesHaematocrit centrif.
MCVparticipation according to RiliBÄK:
quarterly

	Jan. (1)	Mar. (2)	May (3)	July (4)	Sep. (5)	Oct. (6)
Deadline for registration	24.11.17	12.01.18	09.03.18	04.05.18	29.06.18	17.08.18
Shipment	10.01.18	07.03.18	07.05.18	04.07.18	29.08.18	10.10.18
Deadline for receipt of data	24.01.18	21.03.18	25.05.18	18.07.18	12.09.18	24.10.18

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Haematology 07 – Blood Smear Analysis

Diem / Baurmann

2 peripheral blood smears 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 diagnosisparticipation according to RiliBÄK:
quarterly

	Jan. (1)	May (3)	July (4)	Oct. (6)
Deadline for registration	24.11.17	09.03.18	04.05.18	17.08.18
Shipment	10.01.18	07.05.18	04.07.18	10.10.18
Deadline for receipt of data	24.01.18	25.05.18	18.07.18	24.10.18

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Haematology 16 – Free Haemoglobin

von Ahsen / Klouche

2 samples of erythrocytes preparation, lyophilised

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.

	Jan. (1)	May (3)	Sep. (5)	Oct. (6)
Deadline for registration	24.11.17	09.03.18	29.06.18	17.08.18
Shipment	10.01.18	07.05.18	29.08.18	10.10.18
Deadline for receipt of data	24.01.18	25.05.18	12.09.18	24.10.18

2 samples of control blood

Haematocrit centrif.

Haemoglobin

Leucocytes

Thrombocytes

participation according to RiliBÄK:
quarterly

Mar. (2) May (3) July (4) Oct. (6)

Deadline for registration

19.01.18

23.03.18

18.05.18

24.08.18

Shipment

07.03.18

08.05.18

04.07.18

10.10.18

Deadline for receipt of data

14.03.18

16.05.18

11.07.18

17.10.18

2 samples for automated reticulocyte counting by cell analysers

Jan. (1)

May (3)

July (4)

Nov. (6)

Deadline for registration

14.11.17

16.03.18

09.05.18

24.08.18

Shipment

16.01.18

15.05.18

10.07.18

23.10.18

Deadline for receipt of data

24.01.18

23.05.18

20.07.18

05.11.18

2 samples of fresh whole blood from blood bank, overnight shipping

Basophilic Granulocytes

Eosinophilic Granulocytes

Erythrocytes

Haematocrit el.count

Haematocrit centrif.

Haemoglobin

Leucocytes

Lymphocytes

MCV

Monocytes

Neutrophilic Granulocytes

Thrombocytes

participation according to RiliBÄK:
quarterly

Due to high demand two different sets of samples (No. 612 = No. 912) 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)

July (4)

Nov. (6)

Deadline for registration

14.11.17

16.03.18

09.05.18

24.08.18

Shipment

16.01.18

15.05.18

10.07.18

23.10.18

Deadline for receipt of data

24.01.18

23.05.18

20.07.18

05.11.18

2 samples, cellular products

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

May (3)

Nov. (6)

Deadline for registration

16.03.18

24.08.18

Shipment

15.05.18

23.10.18

Deadline for receipt of data

23.05.18

05.11.18

2 blood smears for microscopic analysis

	Mar. (2)	Sep. (5)
Deadline for registration	12.01.18	06.07.18
Shipment	13.03.18	04.09.18
Deadline for receipt of data	21.03.18	12.09.18

2 samples, control blood

Lymphocyte-immunophenotyping – peripheral blood:

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

The submission of the EQA results is possible online only!

	Mar. (2)	Sep. (5)
Deadline for registration	12.01.18	06.07.18
Shipment	13.03.18	04.09.18
Deadline for receipt of data	21.03.18	12.09.18

participation according to RiliBÄK:
half-yearly

2 samples, human blood

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

	Jan. (1)	Mar. (2)	July (4)	Sep. (5)
Deadline for registration	14.11.17	12.01.18	09.05.18	06.07.18
Shipment	16.01.18	13.03.18	10.07.18	04.09.18
Deadline for receipt of data	24.01.18	21.03.18	20.07.18	12.09.18

Sample I and II: bone marrow or blood smears and leukaemia or lymphoma cells

Immunophenotyping of Hematologic Neoplasms
Immunophenotyping of leukemias/lymphomas

The submission of the EQA results is possible online only!

	Mar. (2)	Sep. (5)
Deadline for registration	12.01.18	06.07.18
Shipment	13.03.18	04.09.18
Deadline for receipt of data	21.03.18	12.09.18

210 Haematology 15 – Haemoglobinopathies

Frömmel / Brunner-Agten / Huber

2 samples of whole blood	additional sample not available	
Evaluation and diagnosis		
	June (3)	Nov. (6)
Deadline for registration	09.03.18	10.08.18
Shipment	08.05.18	10.10.18
Deadline for receipt of data	08.06.18	09.11.18

651 Cellular Immunodeficiency Diagnostic (Cytometry)

Sack / Boldt

EDTA whole blood, not stabilized, overnight shipping	additional sample not available	
T and B cell subpopulations		
<u>EQA results can only be submitted online!</u>		
	May (3)	Nov. (6)
Deadline for registration	23.03.18	24.08.18
Shipment	23.05.18	24.10.18
Deadline for receipt of data	30.05.18	05.11.18

616 Haematology 13 – PNH Diagnostics

Höchsmann / Nebe

2 samples, EDTA blood		
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	09.03.18	17.08.18
Shipment	08.05.18	09.10.18
Deadline for receipt of data	25.05.18	24.10.18

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Haemostasis 01 – TPT, INR, aPTT

Spannagl / Dick

2 samples of 1 ml plasma, lyophilised

Global test I: PT (TPZ), aPTT

EQA test 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 RiliBÄK:
 quarterly**

	Jan. (1)	Mar. (2)	May (3)	July (4)	Sep. (5)	Oct. (6)
Deadline for registration	24.11.17	12.01.18	09.03.18	04.05.18	29.06.18	17.08.18
Shipment	10.01.18	07.03.18	07.05.18	04.07.18	29.08.18	10.10.18
Deadline for receipt of data	24.01.18	21.03.18	25.05.18	18.07.18	12.09.18	24.10.18

222

Haemostasis 02 – FIB, TZ, FSP

Spannagl / Dick

2 samples of 1 ml plasma, lyophilised

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	24.11.17	09.03.18	29.06.18	17.08.18
Shipment	10.01.18	07.05.18	29.08.18	10.10.18
Deadline for receipt of data	24.01.18	25.05.18	12.09.18	24.10.18

223

Haemostasis 03 – Factor II, V, VII, X

Spannagl / Dick

2 samples of 1 ml plasma, lyophilised

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	24.11.17	09.03.18	29.06.18	17.08.18
Shipment	10.01.18	07.05.18	29.08.18	10.10.18
Deadline for receipt of data	24.01.18	25.05.18	12.09.18	24.10.18

224

Haemostasis 04 – Factor IX, XI, XII, XIII

Spannagl / Dick

2 samples of 1 ml plasma, lyophilised

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	24.11.17	09.03.18	29.06.18	17.08.18
Shipment	10.01.18	07.05.18	29.08.18	10.10.18
Deadline for receipt of data	24.01.18	25.05.18	12.09.18	24.10.18

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

Spannagl / Dick

2 samples of 1 ml plasma, lyophilised					Maximum order: 2 sets of samples
Inhibitors (AT, PC, PS)					
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	24.11.17	09.03.18	29.06.18	17.08.18	
Shipment	10.01.18	07.05.18	29.08.18	10.10.18	
Deadline for receipt of data	24.01.18	25.05.18	12.09.18	24.10.18	

226 Haemostasis 06 – D-Dimer

Spannagl / Peetz / Dick

2 samples of 0.5 ml or 1 ml plasma, lyophilised					Maximum order: 2 sets of samples
D-Dimer (qualitative) D-Dimer (quantitative)					
	Jan. (1)	May (3)	Sep. (5)	Oct. (6)	
Deadline for registration	24.11.17	09.03.18	29.06.18	17.08.18	
Shipment	10.01.18	07.05.18	29.08.18	10.10.18	
Deadline for receipt of data	24.01.18	25.05.18	12.09.18	24.10.18	

227 Haemostasis 07 – Factor VIII, WF

Spannagl / Dick

2 samples of 1 ml plasma, lyophilised					Maximum order: 2 sets of samples
Factor VIII akt. Willebrand fact. CBA	Willebrand fact. Ag Willebrand fact. RiCof	Willebrand fact. activity			
	Jan. (1)	May (3)	Sep. (5)	Oct. (6)	
Deadline for registration	24.11.17	09.03.18	29.06.18	17.08.18	
Shipment	10.01.18	07.05.18	29.08.18	10.10.18	
Deadline for receipt of data	24.01.18	25.05.18	12.09.18	24.10.18	

230 Haemostasis 10 – Argatroban

Peetz / Spannagl / Dick

2 samples of 1 ml plasma, lyophilised					Maximum order: 2 sets of samples
aPTT	Argatroban	Thrombin time			
	Jan. (1)	May (3)	Sep. (5)	Oct. (6)	
Deadline for registration	24.11.17	09.03.18	29.06.18	17.08.18	
Shipment	10.01.18	07.05.18	29.08.18	10.10.18	
Deadline for receipt of data	24.01.18	25.05.18	12.09.18	24.10.18	

2 samples of 1 ml plasma, lyophilised

aPTT

Thrombin time

UF Heparin

Maximum order: 2 sets of samples

	Jan. (1)	May (3)	Sep. (5)	Oct. (6)
Deadline for registration	24.11.17	09.03.18	29.06.18	17.08.18
Shipment	10.01.18	07.05.18	29.08.18	10.10.18
Deadline for receipt of data	24.01.18	25.05.18	12.09.18	24.10.18

2 samples of 1 ml plasma, lyophilised

NM Heparin

Maximum order: 2 sets of samples

	Jan. (1)	May (3)	Sep. (5)	Oct. (6)
Deadline for registration	24.11.17	09.03.18	29.06.18	17.08.18
Shipment	10.01.18	07.05.18	29.08.18	10.10.18
Deadline for receipt of data	24.01.18	25.05.18	12.09.18	24.10.18

2 samples of 1 ml plasma, lyophilised

Orgaran

Maximum order: 2 sets of samples

	Jan. (1)	May (3)	Sep. (5)	Oct. (6)
Deadline for registration	24.11.17	09.03.18	29.06.18	17.08.18
Shipment	10.01.18	07.05.18	29.08.18	10.10.18
Deadline for receipt of data	24.01.18	25.05.18	12.09.18	24.10.18

2 samples of 1 ml plasma, lyophilised

Extrinsic: A20 [mm]

Extrinsic: CT[s] r[min]

Intrinsic: A20 [mm]

Intrinsic: CT[s] r[min]

Maximum order: 2 sets of samples

	Jan. (1)	May (3)	Sep. (5)	Oct. (6)
Deadline for registration	24.11.17	09.03.18	29.06.18	17.08.18
Shipment	10.01.18	07.05.18	29.08.18	10.10.18
Deadline for receipt of data	24.01.18	25.05.18	12.09.18	24.10.18

2 samples of 1 ml plasma, lyophilised					Maximum order: 2 sets of samples participation according to RiliBÄK: quarterly
Antithrombin Fibrinogen TPZ, Quick	aPTT Thrombin time	D-Dimer (quantitative) TPZ INR			
	Jan. (1)	May (3)	Sep. (5)	Oct. (6)	
Deadline for registration	24.11.17	09.03.18	29.06.18	17.08.18	
Shipment	10.01.18	07.05.18	29.08.18	10.10.18	
Deadline for receipt of data	24.01.18	25.05.18	12.09.18	24.10.18	

2 samples of 1 ml plasma, lyophilised					
Functional APC resistance					
APC resistance	Diagnostic comments				
	Jan. (1)	May (3)	Sep. (5)	Oct. (6)	
Deadline for registration	24.11.17	09.03.18	29.06.18	17.08.18	
Shipment	10.01.18	07.05.18	29.08.18	10.10.18	
Deadline for receipt of data	24.01.18	25.05.18	12.09.18	24.10.18	

2 samples of 1 ml plasma, lyophilised			Maximum order: 2 sets of samples
Fondaparinux			
	May (3)	Oct. (6)	
Deadline for registration	09.03.18	17.08.18	
Shipment	07.05.18	10.10.18	
Deadline for receipt of data	25.05.18	24.10.18	

2 samples of 1 ml plasma, lyophilised			Maximum order: 2 sets of samples
Dabigatran			
	May (3)	Oct. (6)	
Deadline for registration	09.03.18	17.08.18	
Shipment	07.05.18	10.10.18	
Deadline for receipt of data	25.05.18	24.10.18	

2 samples of 1 ml plasma, lyophilised

Rivaroxaban

Maximum order: 2 sets of samples

	May (3)	Oct. (6)
Deadline for registration	09.03.18	17.08.18
Shipment	07.05.18	10.10.18
Deadline for receipt of data	25.05.18	24.10.18

2 samples of 1 ml plasma, lyophilised

Apixaban

Maximum order: 2 sets of samples

	May (3)	Oct. (6)
Deadline for registration	09.03.18	17.08.18
Shipment	07.05.18	10.10.18
Deadline for receipt of data	25.05.18	24.10.18

2 samples of whole blood

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!

ACT aPTT TPZ INR TPZ, Quick

EQA results can only be submitted online!

Please note: deadline for receipt of data has been reduced (only 2 days)!

Maximum order: 2 sets of samples

**participation according to RiliBÄK:
quarterly**

	Jan. (1)	May (3)	Sep. (5)	Nov. (6)
Deadline for registration	10.11.17	02.03.18	29.06.18	31.08.18
Shipment	16.01.18	15.05.18	04.09.18	06.11.18
Deadline for receipt of data	18.01.18	17.05.18	06.09.18	08.11.18

228 Haemostasis 08 – Lupus Anticoagulant

Spannagl / Dick

1 sample of plasma	additional sample not available			
Lupus anticoagulant Samples and evaluation by ECAT, Voorschoten, Netherlands. An assessment is not performed by Instand e.V. and is not part of the Instand e.V. accreditation. 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>	Only annual subscription possible! Additional annual subscription fee (87.50 €)!			
	Mar. (2)	June (3)	Sep. (5)	Dec. (6)
Deadline for registration	13.12.17	13.12.17	13.12.17	13.12.17
Shipment	27.02.18	29.05.18	28.08.18	13.11.18
Deadline for receipt of data	27.03.18	26.06.18	25.09.18	11.12.18

220 Haemostasis 11 – Factor VIII Inhibitor

Spannagl / Dick

2 samples of plasma	additional sample not available		
Factor VIII Inhibitor Samples and evaluation by ECAT, Voorschoten, Netherlands. An assessment is not performed by Instand e.V. and is not part of the Instand e.V. accreditation. 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>	Only annual subscription possible! Additional annual subscription fee (87.50 €)!		
	June (3)	Dec. (6)	
Deadline for registration	13.12.17	13.12.17	
Shipment	29.05.18	13.11.18	
Deadline for receipt of data	26.06.18	11.12.18	

287 Haemostasis 19 – HIT-I (Immunological Testing)

Spannagl / Kiefel

2 samples of plasma	additional sample not available	
Different quantity on detection of antibodies or functional test. Samples and evaluation by ECAT, Voorschoten, Netherlands. An assessment is not performed by Instand e.V. and is not part of the Instand e.V. accreditation. 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>	Only annual subscription possible! Additional annual subscription fee (87.50 €)!	
	Sep. (5)	
Deadline for registration	13.12.17	
Shipment	28.08.18	
Deadline for receipt of data	25.09.18	

3 samples of plasma

additional sample not available

Thrombin generation test

Samples and evaluation by ECAT, Voorschoten, Netherlands.

An assessment is not performed by Instand e.V. and is not part of the Instand e.V. accreditation.

Please note: Cancellation of the order will not be possible with the end of the registration date!

EQA results can only be submitted online!

Only annual subscription possible! Additional annual subscription fee (87.50 €)!

	June (3)	Dec. (6)
Deadline for registration	13.12.17	13.12.17
Shipment	29.05.18	13.11.18
Deadline for receipt of data	26.06.18	11.12.18

2 samples of plasma

additional sample not available

ADAMTS13 (activity and antigen)

Samples and evaluation by ECAT, Voorschoten, Netherlands.

An assessment is not performed by Instand e.V. and is not part of the Instand e.V. accreditation.

Please note: Cancellation of the order will not be possible with the end of the registration date!

EQA results can only be submitted online!

Only annual subscription possible! Additional annual subscription fee (87.50 €)!

	Mar. (2)	June (3)	Sep. (5)	Dec. (6)
Deadline for registration	13.12.17	13.12.17	13.12.17	13.12.17
Shipment	27.02.18	29.05.18	28.08.18	13.11.18
Deadline for receipt of data	27.03.18	26.06.18	25.09.18	11.12.18

2 samples of plasma

additional sample not available

ADAMTS13 (Antibodies)

Samples and evaluation by ECAT, Voorschoten, Netherlands.

An assessment is not performed by Instand e.V. and is not part of the Instand e.V. accreditation.

Please note: Cancellation of the order will not be possible with the end of the registration date!

EQA results can only be submitted online!

Only annual subscription possible! Additional annual subscription fee (87.50 €)!

	June (3)	Dec. (6)
Deadline for registration	13.12.17	13.12.17
Shipment	29.05.18	13.11.18
Deadline for receipt of data	26.06.18	11.12.18

514 Haemostasis 30 – Factor IX Inhibitor**NEW**

Spannagl / Dick

2 samples of plasma			additional sample not available Only annual subscription possible! Additional annual subscription fee (87.50 €)!
Factor IX Inhibitor			
Samples and evaluation by ECAT, Voorschoten, Netherlands. An assessment is not performed by Instand e.V. and is not part of the Instand e.V. accreditation.			
<u>EQA results can only be submitted online!</u>			
	Mar. (2)	Sep. (5)	Please note: Cancellation of the order will not be possible with the end of the registration date!
Deadline for registration	13.12.17	13.12.17	
Shipment	27.02.18	28.08.18	
Deadline for receipt of data	27.03.18	25.09.18	

512 Haemostasis 28 – Bleeding Disorder Case Study (please order if interested)

Spannagl / Dick

Only available in German! International version available at www.ecat.nl			additional sample not available
In cooperation with: ECAT, Voorschoten, Netherlands.			

513 Haemostasis 29 – DNA for EQAS 512 (optional)

Spannagl / Dick

Only available in German! International version available at www.ecat.nl			additional sample not available
In cooperation with: ECAT, Voorschoten, Netherlands.			

630

ACE (Angiotensin-Converting-Enzyme)

Kuschak / Schauseil

2 samples of 0,5 ml serum, liquid, stabilized

additional sample not available

ACE

	Mar. (2)	May (3)	July (4)	Oct. (6)
Deadline for registration	12.01.18	09.03.18	04.05.18	17.08.18
Shipment	07.03.18	07.05.18	04.07.18	10.10.18
Deadline for receipt of data	21.03.18	25.05.18	18.07.18	24.10.18

750

Markers of Ethanol Abuse 01

Luppa / Schneider

2 samples of serum, lyophilised

Asialotransferrin

Asialotransferrin+Disialotransferrin

Disialotransferrin

	Mar. (2)	May (3)	Sep. (5)	Oct. (6)
Deadline for registration	12.01.18	09.03.18	29.06.18	17.08.18
Shipment	07.03.18	07.05.18	29.08.18	10.10.18
Deadline for receipt of data	21.03.18	25.05.18	12.09.18	24.10.18

751

Markers of Ethanol Abuse 02

Luppa / Schneider

2 samples of 1 ml urine, lyophilised

Ethylglucuronid

	Mar. (2)	May (3)	Sep. (5)	Oct. (6)
Deadline for registration	12.01.18	09.03.18	29.06.18	17.08.18
Shipment	07.03.18	07.05.18	29.08.18	10.10.18
Deadline for receipt of data	21.03.18	25.05.18	12.09.18	24.10.18

710 Amino Acid Analysis

Schadewaldt / Hennermann

2 samples of 1ml, plasma, lyophilised			
4-Hydroxyproline (free)	Alanine	allo-Isoleucine	
alpha-Aminoadipic acid	Arginine	Argininosuccinic acid	
Asparagine	Aspartic acid	Interpretation of results	
b-Alanine	Citrulline	Cystathionine	
Cystein-Homocystein-disulfid	Cystine	Glutamine	
Glutamic acid	Glycine	Histidine	
Isoleucine	Leucine	Lysine	
Methionine	Ornithine	Phenylalanine	
Phosphoethanolamine	Proline	Sarcosine	
Serine	Taurine	Threonine	
Tryptophan	Tyrosine	Valine	
	May (3)	Oct. (6)	
Deadline for registration	09.03.18	17.08.18	
Shipment	07.05.18	10.10.18	
Deadline for receipt of data	25.05.18	24.10.18	

118 Ammonia

Falck / Nauck

2 samples of 1 ml, liquid controls						
Ammonia						
	Jan. (1)	Mar. (2)	May (3)	July (4)	Sep. (5)	Oct. (6)
Deadline for registration	24.11.17	12.01.18	09.03.18	04.05.18	29.06.18	17.08.18
Shipment	10.01.18	07.03.18	07.05.18	04.07.18	29.08.18	10.10.18
Deadline for receipt of data	24.01.18	21.03.18	25.05.18	18.07.18	12.09.18	24.10.18

322 Infection Serology – C-Reactive Protein

Hunfeld / Müller

2 samples of 0.4 ml, serum					
C-reactive protein (qualitative) C-Reactive Protein (quantitative)					
	Jan. (1)	May (3)		Sep. (5)	Oct. (6)
Deadline for registration	24.11.17	09.03.18		29.06.18	17.08.18
Shipment	10.01.18	07.05.18		29.08.18	10.10.18
Deadline for receipt of data	24.01.18	25.05.18		12.09.18	24.10.18

additional sample not available

 participation according to RiliBÄK:
quarterly

185 Biogenic Amine in Plasma

Maly / Lutz

2 samples of plasma			
Epinephrine	Dopamine	Norepinephrine	Serotonin
	Mar. (2)	Sep. (5)	
Deadline for registration	12.01.18	29.06.18	
Shipment	07.03.18	29.08.18	
Deadline for receipt of data	21.03.18	12.09.18	

2 samples of 2 ml serum / plasma, lyophilised

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 RiliBÄK:
quarterly

	Jan. (1)	Mar. (2)	May (3)	July (4)	Sep. (5)	Oct. (6)
Deadline for registration	24.11.17	12.01.18	09.03.18	04.05.18	29.06.18	17.08.18
Shipment	10.01.18	07.03.18	07.05.18	04.07.18	29.08.18	10.10.18
Deadline for receipt of data	24.01.18	21.03.18	25.05.18	18.07.18	12.09.18	24.10.18

2 samples serum / plasma, lyophilised

BNP

Free of charge if ordered with No. 760

	Jan. (1)	Mar. (2)	May (3)	July (4)	Sep. (5)	Oct. (6)
Deadline for registration	24.11.17	12.01.18	09.03.18	04.05.18	29.06.18	17.08.18
Shipment	10.01.18	07.03.18	07.05.18	04.07.18	29.08.18	10.10.18
Deadline for receipt of data	24.01.18	21.03.18	25.05.18	18.07.18	12.09.18	24.10.18

2 samples of 5 ml serum, lyophilised

a1-Globulins
Albumin (electrophoresis)
gamma-Globulins

a2-Globulins
beta-Globulins

Albumin
Protein

participation according to RiliBÄK:
quarterly

	Jan. (1)	Mar. (2)	May (3)	July (4)	Sep. (5)	Oct. (6)
Deadline for registration	24.11.17	12.01.18	09.03.18	04.05.18	29.06.18	17.08.18
Shipment	10.01.18	07.03.18	07.05.18	04.07.18	29.08.18	10.10.18
Deadline for receipt of data	24.01.18	21.03.18	25.05.18	18.07.18	12.09.18	24.10.18

2 samples of 2 ml, serum or plasma

Ethanol

participation according to RiliBÄK:
quarterly

	Jan. (1)	Mar. (2)	May (3)	July (4)	Sep. (5)	Oct. (6)
Deadline for registration	24.11.17	12.01.18	09.03.18	04.05.18	29.06.18	17.08.18
Shipment	10.01.18	07.03.18	07.05.18	04.07.18	29.08.18	10.10.18
Deadline for receipt of data	24.01.18	21.03.18	25.05.18	18.07.18	12.09.18	24.10.18

130 Fecal Diagnostics 01

Durner / Spannagl

2 fecal samples of 0.5-1 ml, lyophilised		additional sample not available		
Calprotectin Fecal elastase	Calprotectin (qualitative) Fecal elastase (qualitative)			
	Mar. (2)	July (4)	Oct. (6)	
Deadline for registration	12.01.18	04.05.18	17.08.18	
Shipment	07.03.18	04.07.18	10.10.18	
Deadline for receipt of data	21.03.18	18.07.18	24.10.18	

131 Fecal Diagnostics 02 – iFOBT-Test

Durner / Spannagl

2 fecal samples of 0.5-1 ml, lyophilised		additional sample not available		
Haemoglobin Hemoglobin-Haptoglobin-complex	Haemoglobin (qualitative) Hemoglobin-Haptoglobin-complex (qualitative)			
	Mar. (2)	Oct. (6)		
Deadline for registration	12.01.18	17.08.18		
Shipment	07.03.18	10.10.18		
Deadline for receipt of data	21.03.18	24.10.18		

146 Fructosamine

Niederau / Kaiser

2 samples of serum, lyophilised				
Fructosamine				
	Jan. (1)	May (3)	Sep. (5)	Oct. (6)
Deadline for registration	24.11.17	09.03.18	29.06.18	17.08.18
Shipment	10.01.18	07.05.18	29.08.18	10.10.18
Deadline for receipt of data	24.01.18	25.05.18	12.09.18	24.10.18

243 Gammopathies

Peetz / Niederau

2 samples of 1 ml, plasma					
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	24.11.17	09.03.18	04.05.18	17.08.18	
Shipment	10.01.18	07.05.18	04.07.18	10.10.18	
Deadline for receipt of data	24.01.18	25.05.18	18.07.18	24.10.18	

2 samples of 5 ml serum, lyophilised

Glucose

participation according to RiliBÄK:
quarterly

	Jan. (1)	Mar. (2)	May (3)	July (4)	Sep. (5)	Oct. (6)
Deadline for registration	24.11.17	12.01.18	09.03.18	04.05.18	29.06.18	17.08.18
Shipment	10.01.18	07.03.18	07.05.18	04.07.18	29.08.18	10.10.18
Deadline for receipt of data	24.01.18	21.03.18	25.05.18	18.07.18	12.09.18	24.10.18

2 samples of pulverized material

	May (3)	Oct. (6)
Deadline for registration	09.03.18	17.08.18
Shipment	07.05.18	10.10.18
Deadline for receipt of data	25.05.18	24.10.18

2 samples of 1 ml, serum

IgG1	IgG2	IgG3	IgG4
		May (3)	Oct. (6)
Deadline for registration		09.03.18	17.08.18
Shipment		07.05.18	10.10.18
Deadline for receipt of data		25.05.18	24.10.18

2 samples of serum (liquid)

a1-Globulins beta-Globulins	a2-Globulins gamma-Globulins	Albumin (electrophoresis)
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	Jan. (1)	Mar. (2)	May (3)	July (4)	Sep. (5)	Oct. (6)
Deadline for registration	24.11.17	12.01.18	09.03.18	04.05.18	29.06.18	17.08.18
Shipment	10.01.18	07.03.18	07.05.18	04.07.18	29.08.18	10.10.18
Deadline for receipt of data	24.01.18	21.03.18	25.05.18	18.07.18	12.09.18	24.10.18

2 samples of 5 ml serum, lyophilised

Albumin	Albumin (electrophoresis)	Aldolase
alpha – Amylase	AP	Bilirubin
Bilirubin conj.	Calcium	Chloride
Cholesterol	CHE	CK
Iron binding capacity	Iron	Protein
gamma-Globulins	Acid phosphatase	GGT
GLDH	Glucose	GOT
GPT	Uric Acid	Urea
HBDH	IgA	IgG
IgM	Potassium	Creatinine
Copper	Lactate	LDH
Lipase	Lithium	Magnesium
Sodium	Osmolality	Pancreas amylase
Phosphate	Prostatic acid Phosphatase	Transferrine
Triglycerides		

Evaluation up to
10 pairs of results:
11-16:
17-24:
more than 25:

participation according to RiliBÄK:
quarterly

	Jan. (1)	Mar. (2)	May (3)	July (4)	Sep. (5)	Oct. (6)
Deadline for registration	24.11.17	12.01.18	09.03.18	04.05.18	29.06.18	17.08.18
Shipment	10.01.18	07.03.18	07.05.18	04.07.18	29.08.18	10.10.18
Deadline for receipt of data	24.01.18	21.03.18	25.05.18	18.07.18	12.09.18	24.10.18

2 samples serum / plasma, lyophilised

Apolipoprotein A1	Apolipoprotein B	Apolipoprotein E
Cholesterol	HDL-cholesterol	Homocystein
LDL-cholesterol	Lp (a)	Phospholipids
Triglycerides		

participation according to RiliBÄK:
quarterly

	Jan. (1)	Mar. (2)	May (3)	July (4)	Sep. (5)	Oct. (6)
Deadline for registration	24.11.17	12.01.18	09.03.18	04.05.18	29.06.18	17.08.18
Shipment	10.01.18	07.03.18	07.05.18	04.07.18	29.08.18	10.10.18
Deadline for receipt of data	24.01.18	21.03.18	25.05.18	18.07.18	12.09.18	24.10.18

2 samples serum of 2 ml, lyophilised

Neonatal Bilirubin

participation according to RiliBÄK:
quarterly

	Jan. (1)	Mar. (2)	May (3)	July (4)	Sep. (5)	Oct. (6)
Deadline for registration	24.11.17	12.01.18	09.03.18	04.05.18	29.06.18	17.08.18
Shipment	10.01.18	07.03.18	07.05.18	04.07.18	29.08.18	10.10.18
Deadline for receipt of data	24.01.18	21.03.18	25.05.18	18.07.18	12.09.18	24.10.18

2 samples of potassium picrate solution

Wavelengths 334, 340, 365, 405 and 436 nm

	Jan. (1)	Mar. (2)	May (3)	July (4)	Sep. (5)	Oct. (6)
Deadline for registration	24.11.17	12.01.18	09.03.18	04.05.18	29.06.18	17.08.18
Shipment	10.01.18	07.03.18	07.05.18	04.07.18	29.08.18	10.10.18
Deadline for receipt of data	24.01.18	21.03.18	25.05.18	18.07.18	12.09.18	24.10.18

2 samples of 1 ml, plasma

a1-Antitrypsine
C3-Complement
C-Reactive Protein (quantitative)
Haptoglobin
IgG
Transferrine

a1-Glycoprotein
C4-Complement
Ferritin
IgA
IgM

a2-Makroglobulin
Coeruloplasmin
Hemopexin
IGE
sTfR

participation according to RiliBÄK:
quarterly

	Jan. (1)	Mar. (2)	May (3)	July (4)	Sep. (5)	Oct. (6)
Deadline for registration	24.11.17	12.01.18	09.03.18	04.05.18	29.06.18	17.08.18
Shipment	10.01.18	07.03.18	07.05.18	04.07.18	29.08.18	10.10.18
Deadline for receipt of data	24.01.18	21.03.18	25.05.18	18.07.18	12.09.18	24.10.18

2 samples, serum

Cystatine-C

additional sample not available
Free of charge if ordered with group 241

	Jan. (1)	Mar. (2)	May (3)	July (4)	Sep. (5)	Oct. (6)
Deadline for registration	24.11.17	12.01.18	09.03.18	04.05.18	29.06.18	17.08.18
Shipment	10.01.18	07.03.18	07.05.18	04.07.18	29.08.18	10.10.18
Deadline for receipt of data	24.01.18	21.03.18	25.05.18	18.07.18	12.09.18	24.10.18

2 samples, serum

hsCRP

additional sample not available
Free of charge if ordered with group 241

	Jan. (1)	Mar. (2)	May (3)	July (4)	Sep. (5)	Oct. (6)
Deadline for registration	24.11.17	12.01.18	09.03.18	04.05.18	29.06.18	17.08.18
Shipment	10.01.18	07.03.18	07.05.18	04.07.18	29.08.18	10.10.18
Deadline for receipt of data	24.01.18	21.03.18	25.05.18	18.07.18	12.09.18	24.10.18

292 Tumor Markers

Holdenrieder / Peetz

2 samples of serum						
alpha-1-Fetoprotein CA 15-3 CEA hCG intact +beta-hCG free Neuron-specific enolase PSA complex. SCC TPS	beta-2-Microglobulin CA 19-9 CYFRA 21-1 HER2/neu-protein PSA, free ROMA-Score Thyreoglobulin	CA 125 CA 72-4 hCG intact Human epididymis protein 4 PSA, total S100 TPA				
	Jan. (1)	Mar. (2)	May (3)	July (4)	Sep. (5)	Oct. (6)
Deadline for registration	24.11.17	12.01.18	09.03.18	04.05.18	29.06.18	17.08.18
Shipment	10.01.18	07.03.18	07.05.18	04.07.18	29.08.18	10.10.18
Deadline for receipt of data	24.01.18	21.03.18	25.05.18	18.07.18	12.09.18	24.10.18

participation according to RiliBÄK: quarterly

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

Holdenrieder / Peetz

2 samples of serum						
Calcitonin	Progastrin-releasing Peptide					
	Jan. (1)	Mar. (2)	May (3)	July (4)	Sep. (5)	Oct. (6)
Deadline for registration	24.11.17	12.01.18	09.03.18	04.05.18	29.06.18	17.08.18
Shipment	10.01.18	07.03.18	07.05.18	04.07.18	29.08.18	10.10.18
Deadline for receipt of data	24.01.18	21.03.18	25.05.18	18.07.18	12.09.18	24.10.18

Free of charge if ordered with No. 292

293 Tumor Markers – PSA and Testosterone

Holdenrieder / Peetz

2 samples of serum						
PSA, free	PSA, total	PSA complex.		Testosterone		
	Jan. (1)	Mar. (2)	May (3)	July (4)	Sep. (5)	Oct. (6)
Deadline for registration	24.11.17	12.01.18	09.03.18	04.05.18	29.06.18	17.08.18
Shipment	10.01.18	07.03.18	07.05.18	04.07.18	29.08.18	10.10.18
Deadline for receipt of data	24.01.18	21.03.18	25.05.18	18.07.18	12.09.18	24.10.18

participation according to RiliBÄK: quarterly

290 Vitamins 01 (Serum)

Niederau / Schellenberg

2 samples of 5 ml serum, lyophilised				
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	24.11.17	09.03.18	04.05.18	17.08.18
Shipment	10.01.18	07.05.18	04.07.18	10.10.18
Deadline for receipt of data	24.01.18	25.05.18	18.07.18	24.10.18

291

Vitamins 02 (Whole Blood)

Niederau / Schellenberg

2 samples of 2 ml haemolysates, lyophilised

Flavine Adenine Dinucleotide (FAD)	Flavine mononucleotid (FMN)
Pyridoxal-5-phosphate (Vitamin B6)	Riboflavin (Vitamin B2)
Thiamine total (Vitamin B1)	Thiaminpyrophosphat (TPP)

	Jan. (1)	May (3)	July (4)	Oct. (6)
Deadline for registration	24.11.17	09.03.18	04.05.18	17.08.18
Shipment	10.01.18	07.05.18	04.07.18	10.10.18
Deadline for receipt of data	24.01.18	25.05.18	18.07.18	24.10.18

296

Vitamins 03 – Vitamin C

Niederau / Schellenberg

2 samples of 0,5 ml plasma

Ascorbic acid (Vitamin C)

	Jan. (1)	May (3)	July (4)	Oct. (6)
Deadline for registration	24.11.17	09.03.18	04.05.18	17.08.18
Shipment	10.01.18	07.05.18	04.07.18	10.10.18
Deadline for receipt of data	24.01.18	25.05.18	18.07.18	24.10.18

187

Vitamins 04 – Methylmalonic Acid

Niederau / Schellenberg

2 samples of 1 ml, plasma

Methylmalonic acid

	Jan. (1)	May (3)	July (4)	Oct. (6)
Deadline for registration	24.11.17	09.03.18	04.05.18	17.08.18
Shipment	10.01.18	07.05.18	04.07.18	10.10.18
Deadline for receipt of data	24.01.18	25.05.18	18.07.18	24.10.18

245

Complement Analysis 01 (Auto-anti-C1q)

Prohászka / Kirschfink

2 samples of serum / plasma

additional sample not available

Auto-anti C1q (IgG)	Auto-anti C1q (IgG) (qualitative)
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	Mar. (2)	Nov. (6)
Deadline for registration	12.01.18	17.08.18
Shipment	07.03.18	10.10.18
Deadline for receipt of data	21.03.18	07.11.18

246 Complement Analysis 02 (Functions and proteins)

Prohászka / Kirschfink

2 samples of 1 ml, serum, lyophilised			
Alternative pathway	C1 inhibitor: activity	C1 inhibitor: proteine	
C1q proteine	C3-Complement	C4-Complement	
Classical pathway	Complement factor H	Complement factor I	
Lectin pathway			
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.			
	Mar. (2)	Nov. (6)	
Deadline for registration	12.01.18	17.08.18	
Shipment	07.03.18	10.10.18	
Deadline for receipt of data	21.03.18	07.11.18	

247 Complement Analysis 03 (Complement activation products)

Prohászka / Kirschfink

2 samples of 1 ml, plasma (lyophilised)				
Bb	C3a	C3d	sC5b-9	
			Nov. (6)	
Deadline for registration			17.08.18	
Shipment			10.10.18	
Deadline for receipt of data			07.11.18	

248 Complement Analysis 04 (C3 – nephritic factor)

Prohászka / Kirschfink

2 samples, serum		additional sample not available
C3-nephritic factor (qualitative)	C3-nephritic factor (quantitative)	
	Nov. (6)	
Deadline for registration	17.08.18	
Shipment	10.10.18	
Deadline for receipt of data	07.11.18	

249 Complement Analysis 05 (Auto-anti FH)

Prohászka / Kirschfink

2 samples, serum		additional sample not available
Auto-anti FH (qualitative)	Auto-anti FH (quantitative)	
	Nov. (6)	
Deadline for registration	17.08.18	
Shipment	10.10.18	
Deadline for receipt of data	07.11.18	

2 samples, serum		additional sample not available
Anti-C1 inhibitor IgA (qualitative)	anti-C1 inhibitor IgA (quantitative)	
Anti-C1 inhibitor IgG (qualitative)	anti-C1 inhibitor IgG (quantitative)	
Anti-C1 inhibitor IgM (qualitative)	anti-C1 inhibitor IgM (quantitative)	
		Nov. (6)
Deadline for registration		17.08.18
Shipment		10.10.18
Deadline for receipt of data		07.11.18

2 samples of EDTA whole blood, 0.3 ml (not stabilized)							participation according to RiliBÄK: quarterly
HbA1c							
The samples must be measured within 2 days of receipt!							
	Jan. (1)	Mar. (2)	May (3)	July (4)	Sep. (5)	Oct. (6)	
Deadline for registration	17.11.17	19.01.18	16.03.18	11.05.18	06.07.18	17.08.18	
Shipment	16.01.18	20.03.18	15.05.18	10.07.18	04.09.18	16.10.18	
Deadline for receipt of data	19.01.18	23.03.18	18.05.18	13.07.18	07.09.18	19.10.18	

2 samples of 10 ml, lyophilised					81,00 € / Survey 64,00 € additional sample	
Aluminium	Arsenic	Lead	Chromium	Iron	In combination of groups 205+206:	
Fluoride	Iodine	Cadmium	Cobalt	Copper		
Manganese	Nickel	Mercury	Selenium	Zinc		
		Mar. (2)			Oct. (6)	
Deadline for registration		12.01.18			10.08.18	
Shipment		07.03.18			10.10.18	
Deadline for receipt of data		28.03.18			30.10.18	

2 samples of 5 ml, lyophilised					In combination of groups 205+206:	
Aluminium	Arsenic	Chromium	Iron	Fluoride		
Gold	Iodine	Cadmium	Cobalt	Copper		
Manganese	Nickel	Platin	Selenium	Zinc		
		Mar. (2)			Oct. (6)	
Deadline for registration		12.01.18			10.08.18	
Shipment		07.03.18			10.10.18	
Deadline for receipt of data		28.03.18			30.10.18	

2 samples of 5 ml, lyophilised			
Antimon Molybdaen	Beryllium Vanadium	Bismuth Tin	
		Mar. (2)	Oct. (6)
Deadline for registration		12.01.18	10.08.18
Shipment		07.03.18	10.10.18
Deadline for receipt of data		28.03.18	30.10.18

2 samples of 5 ml whole blood, lyophilised			
Antimon Cadmium Nickel	Arsenic Cobalt Mercury	Lead Magnesium Selenium	Chromium Manganese Zinc
		Mar. (2)	Oct. (6)
Deadline for registration		12.01.18	10.08.18
Shipment		07.03.18	10.10.18
Deadline for receipt of data		28.03.18	30.10.18

626

Hematopoietic Growth Factors

NEW

Wenzel / Geisen

2 samples of 1 ml serum, lyophilised

additional sample not available

Erythropoietin

Thrombopoietin

May (3)

Oct. (6)

Deadline for registration

09.03.18

17.08.18

Shipment

07.05.18

10.10.18

Deadline for receipt of data

25.05.18

24.10.18

304

Hormones – Steroid Homones, Aldosterone

Luppa / Schneider

2 samples of serum

Aldosterone

Jan. (1)

Mar. (2)

May (3)

July (4)

Sep. (5)

Oct. (6)

Deadline for registration

24.11.17

12.01.18

09.03.18

04.05.18

29.06.18

17.08.18

Shipment

10.01.18

07.03.18

07.05.18

04.07.18

29.08.18

10.10.18

Deadline for receipt of data

24.01.18

21.03.18

25.05.18

18.07.18

12.09.18

24.10.18

301

Hormones – Calcium Metabolism / Special Thyroid

Durner / Luppa

2 samples of 3 ml serum, lyophilised

1-84 PTH

Calcitonin

Thyreoglobulin

Jan. (1)

May (3)

July (4)

Oct. (6)

Deadline for registration

24.11.17

09.03.18

04.05.18

17.08.18

Shipment

10.01.18

07.05.18

04.07.18

10.10.18

Deadline for receipt of data

24.01.18

25.05.18

18.07.18

24.10.18

297

Hormones – Fertility

Maly / Lutz

2 samples of 3 ml serum / plasma, lyophilised

anti-Mullerian hormone

FSH

LH

Mar. (2)

May (3)

Sep. (5)

Oct. (6)

Deadline for registration

12.01.18

09.03.18

29.06.18

17.08.18

Shipment

07.03.18

07.05.18

29.08.18

10.10.18

Deadline for receipt of data

21.03.18

25.05.18

12.09.18

24.10.18

participation according to RiliBÄK:
quarterly

298 Hormones – Adrenal Gland/Pituitary

Luppa / Schneider

2 samples of 3 or 5 ml serum / plasma, lyophilised					
1-39 ACTH HGH	DHEA Prolactin (3. IS)	DHEA-S			
		Mar. (2)	May (3)	Sep. (5)	Oct. (6)
Deadline for registration		12.01.18	09.03.18	29.06.18	17.08.18
Shipment		07.03.18	07.05.18	29.08.18	10.10.18
Deadline for receipt of data		21.03.18	25.05.18	12.09.18	24.10.18

300 Hormones – Pancreas/Gastrointestinal Tract

Durner / Luppa

2 samples of 5 ml serum / plasma, lyophilised					
C-Peptide Insulin	Gastrin Pro-insuline	Glucagon			
	Jan. (1)	May (3)	July (4)	Oct. (6)	
Deadline for registration	24.11.17	09.03.18	04.05.18	17.08.18	
Shipment	10.01.18	07.05.18	04.07.18	10.10.18	
Deadline for receipt of data	24.01.18	25.05.18	18.07.18	24.10.18	

294 Hormones – Thyroid Hormones

Durner / Luppa

2 samples of 5 ml of serum / plasma, lyophilised							
free T3 T4 total (thyroxine)	free T4 TSH	T3 total					
	Jan. (1)	Mar. (2)	May (3)	July (4)	Sep. (5)	Oct. (6)	participation according to RiliBÄK: quarterly
Deadline for registration	24.11.17	12.01.18	09.03.18	04.05.18	29.06.18	17.08.18	
Shipment	10.01.18	07.03.18	07.05.18	04.07.18	29.08.18	10.10.18	
Deadline for receipt of data	24.01.18	21.03.18	25.05.18	18.07.18	12.09.18	24.10.18	

295 Hormones – Thyroid Gland Antibodies

Durner / Luppa

2 samples of 1 ml of serum / plasma, lyophilised					
anti-mikrosomen	anti-tyreoglobulin	anti-TPO	TRAK/THYBIA		
	Jan. (1)	May (3)	July (4)	Oct. (6)	
Deadline for registration	24.11.17	09.03.18	04.05.18	17.08.18	
Shipment	10.01.18	07.05.18	04.07.18	10.10.18	
Deadline for receipt of data	24.01.18	25.05.18	18.07.18	24.10.18	

305

Hormones – Gravidity – 1st Trimester Screening

Maly / Lutz

2 samples of serum / plasma

Free beta-chain hCG

PAPP-A

participation according to RiliBÄK:
quarterly

	Mar. (2)	May (3)	Sep. (5)	Oct. (6)
Deadline for registration	12.01.18	09.03.18	29.06.18	17.08.18
Shipment	07.03.18	07.05.18	29.08.18	10.10.18
Deadline for receipt of data	21.03.18	25.05.18	12.09.18	24.10.18

306

Hormones – Gravidity – 2nd Trimester Screening

Maly / Lutz

2 samples of serum / plasma

alpha-1-Fetoprotein
Free EstriolhCG intact
Total Estriol

hCG intact +beta-hCG free

participation according to RiliBÄK:
quarterly

	Mar. (2)	May (3)	Sep. (5)	Oct. (6)
Deadline for registration	12.01.18	09.03.18	29.06.18	17.08.18
Shipment	07.03.18	07.05.18	29.08.18	10.10.18
Deadline for receipt of data	21.03.18	25.05.18	12.09.18	24.10.18

302

Hormones – Steroid Hormones, Thyroid Gland

Luppa / Schneider

2 samples of 5 ml serum, lyophilised

17-beta-Estradiol
T3 total
TSHCortisol
T4 total (thyroxine)free T3
Progesteronefree T4
TestosteroneEvaluation up to
4 pairs of results:
more than 4:

	Jan. (1)	Mar. (2)	May (3)	July (4)	Sep. (5)	Oct. (6)
Deadline for registration	24.11.17	12.01.18	09.03.18	04.05.18	29.06.18	17.08.18
Shipment	10.01.18	07.03.18	07.05.18	04.07.18	29.08.18	10.10.18
Deadline for receipt of data	24.01.18	21.03.18	25.05.18	18.07.18	12.09.18	24.10.18

participation according to RiliBÄK:
quarterly

309

Hormones – Virilization

Maly / Lutz

2 samples of serum / plasma

17-Hydroxyprogesterone

Androstendion

	Mar. (2)	May (3)	Sep. (5)	Oct. (6)
Deadline for registration	12.01.18	09.03.18	29.06.18	17.08.18
Shipment	07.03.18	07.05.18	29.08.18	10.10.18
Deadline for receipt of data	21.03.18	25.05.18	12.09.18	24.10.18

2 samples of 1 ml serum, lyophilised		additional sample not available
PLGF (placental growth factor)	sFLT-1 (soluble fms-like tyrosine kinase-1)	
	May (3)	
	Oct. (6)	
Deadline for registration	09.03.18	17.08.18
Shipment	07.05.18	10.10.18
Deadline for receipt of data	25.05.18	24.10.18

460

Cerebrospinal Fluid Analysis 01 – Protein Analysis

Uhr / Zimmermann

2 sets = CSF + serum

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 RiliBÄK: 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	24.11.17	09.03.18	29.06.18	17.08.18
Shipment	10.01.18	07.05.18	29.08.18	10.10.18
Deadline for receipt of data	24.01.18	25.05.18	12.09.18	24.10.18

462

Cerebrospinal Fluid Analysis 02 – Oligoclonal IgG

Uhr / Zimmermann

1 set of samples, CSF + serum

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 RiliBÄK: half-yearly

	May (3)	Oct. (6)
Deadline for registration	09.03.18	17.08.18
Shipment	07.05.18	10.10.18
Deadline for receipt of data	25.05.18	24.10.18

463

Cerebrospinal Fluid Analysis 03 – MRZ Reaction

Uhr / Zimmermann

1 set of samples, CSF + serum

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	09.03.18	17.08.18
Shipment	07.05.18	10.10.18
Deadline for receipt of data	25.05.18	24.10.18

2 samples of 0.5 ml					additional sample not available participation according to RiliBÄK: quarterly
Glucose	Glucose – diagnostic comment				
Glucose quotient (CSF/Serum)	Glucose quotient – diagnostic comment				
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	24.11.17	09.03.18	29.06.18	17.08.18	
Shipment	10.01.18	07.05.18	29.08.18	10.10.18	
Deadline for receipt of data	24.01.18	25.05.18	12.09.18	24.10.18	

1 set of samples, CSF + serum			additional sample not available
Borrelia IgG Antibody Index (AI) calculation			
Detection of titers is not suitable. Calculation of antibody index and interpretation.			
	May (3)	Oct. (6)	participation according to RiliBÄK: half-yearly
Deadline for registration	09.03.18	17.08.18	
Shipment	07.05.18	10.10.18	
Deadline for receipt of data	25.05.18	24.10.18	

1 CSF sample			additional sample not available
Amyloid β Peptid 40 (A β 40)	Amyloid β Peptid 42 (A β 42)	Amyloid β Peptid 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	09.03.18	17.08.18	
Shipment	07.05.18	10.10.18	
Deadline for receipt of data	25.05.18	24.10.18	

194

Paracetamol and NSAIDs

Steimer / Schneider

4 samples of 2 ml serum, lyophilised

Paracetamol

Salicylic acid

	Jan. (1)	May (3)	July (4)	Oct. (6)
Deadline for registration	24.11.17	09.03.18	04.05.18	17.08.18
Shipment	10.01.18	07.05.18	04.07.18	10.10.18
Deadline for receipt of data	24.01.18	25.05.18	18.07.18	24.10.18

190

Antiarrhythmics – Amiodaron

Steimer / Schneider

2 samples of 3 ml serum, lyophilised

Amiodarone

Desethylamiodarone

	Jan. (1)	May (3)	July (4)	Oct. (6)
Deadline for registration	24.11.17	09.03.18	04.05.18	17.08.18
Shipment	10.01.18	07.05.18	04.07.18	10.10.18
Deadline for receipt of data	24.01.18	25.05.18	18.07.18	24.10.18

870

Respiratory Stimulants – Caffeine

Steimer / Schneider

2 samples of 2.5 ml serum, lyophilised

Caffeine

	Jan. (1)	May (3)	Sep. (5)	Oct. (6)
Deadline for registration	24.11.17	09.03.18	29.06.18	17.08.18
Shipment	10.01.18	07.05.18	29.08.18	10.10.18
Deadline for receipt of data	24.01.18	25.05.18	12.09.18	24.10.18

193

Antibacterials – Teicoplanin

Steimer / Schneider

2 samples of 2 ml serum, lyophilised

Teicoplanin

	Jan. (1)	May (3)	July (4)	Oct. (6)
Deadline for registration	24.11.17	09.03.18	04.05.18	17.08.18
Shipment	10.01.18	07.05.18	04.07.18	10.10.18
Deadline for receipt of data	24.01.18	25.05.18	18.07.18	24.10.18

191 Anticonvulsants 01

Steimer / Schneider

2 samples of 3 ml serum, lyophilised				
Lamotrigine	Levetiracetam	Sulthiame		
	Jan. (1)	May (3)	Sep. (5)	Oct. (6)
Deadline for registration	24.11.17	09.03.18	29.06.18	17.08.18
Shipment	10.01.18	07.05.18	29.08.18	10.10.18
Deadline for receipt of data	24.01.18	25.05.18	12.09.18	24.10.18

192 Anticonvulsants 02

Steimer / Schneider

2 samples of 3 ml serum, lyophilised				
10-OH-Carbamazepine	Carbamazepine-epoxide	N-Desmethylnmethsuximide		
	Jan. (1)	May (3)	Sep. (5)	Oct. (6)
Deadline for registration	24.11.17	09.03.18	29.06.18	17.08.18
Shipment	10.01.18	07.05.18	29.08.18	10.10.18
Deadline for receipt of data	24.01.18	25.05.18	12.09.18	24.10.18

871 Anticonvulsants 03

Steimer / Schneider

2 samples of 2.5 ml serum, lyophilised				
Eslicarbazepine	Felbamate	Lacosamide	Rufinamide	
	Jan. (1)	May (3)	Sep. (5)	Oct. (6)
Deadline for registration	24.11.17	09.03.18	29.06.18	17.08.18
Shipment	10.01.18	07.05.18	29.08.18	10.10.18
Deadline for receipt of data	24.01.18	25.05.18	12.09.18	24.10.18

872 Anticonvulsants 04

Steimer / Schneider

2 samples of 2.5 ml serum, lyophilised				
Gabapentin Vigabatrin	Pregabalin Zonisamide	Tiagabine	Topiramate	
	Jan. (1)	May (3)	Sep. (5)	Oct. (6)
Deadline for registration	24.11.17	09.03.18	29.06.18	17.08.18
Shipment	10.01.18	07.05.18	29.08.18	10.10.18
Deadline for receipt of data	24.01.18	25.05.18	12.09.18	24.10.18

2 samples of 5 ml serum, lyophilised (+ 2 samples of 3ml antibiotics)

Chloramphenicol
Posaconazole

Fluconazole
Voriconazole

Flucytosine

May (3)

Oct. (6)

Deadline for registration

09.03.18

17.08.18

Shipment

07.05.18

10.10.18

Deadline for receipt of data

25.05.18

24.10.18

2 samples serum / plasma, lyophilised

Hyrdoxy-Itraconazole

Itraconazole

Mycophenolic acid

Mar. (2)

Oct. (6)

Deadline for registration

12.01.18

17.08.18

Shipment

07.03.18

10.10.18

Deadline for receipt of data

21.03.18

24.10.18

2 samples of 2 ml serum, lyophilised

Clozapine

Desmethylozapine

Jan. (1)

Mar. (2)

May (3)

July (4)

Sep. (5)

Oct. (6)

Deadline for registration

24.11.17

12.01.18

09.03.18

04.05.18

29.06.18

17.08.18

Shipment

10.01.18

07.03.18

07.05.18

04.07.18

29.08.18

10.10.18

Deadline for receipt of data

24.01.18

21.03.18

25.05.18

18.07.18

12.09.18

24.10.18

2 samples of 2.5 ml serum, lyophilised

Amisulpride
Pipamperone

Desmethyl sertraline
Reboxetine

Fluvoxamine
Sertraline

Levomepromazine
Ziprasidone

Jan. (1)

Mar. (2)

May (3)

July (4)

Sep. (5)

Oct. (6)

Deadline for registration

24.11.17

12.01.18

09.03.18

04.05.18

29.06.18

17.08.18

Shipment

10.01.18

07.03.18

07.05.18

04.07.18

29.08.18

10.10.18

Deadline for receipt of data

24.01.18

21.03.18

25.05.18

18.07.18

12.09.18

24.10.18

874 Antipsychotic Drugs 03

Steimer / Schneider

2 samples of 2.5 ml serum, lyophilised						
Desmethyl fluoxetine	Fluoxetine	Mianserine		Perazine		
	Jan. (1)	Mar. (2)	May (3)	July (4)	Sep. (5)	Oct. (6)
Deadline for registration	24.11.17	12.01.18	09.03.18	04.05.18	29.06.18	17.08.18
Shipment	10.01.18	07.03.18	07.05.18	04.07.18	29.08.18	10.10.18
Deadline for receipt of data	24.01.18	21.03.18	25.05.18	18.07.18	12.09.18	24.10.18

875 Antipsychotic Drugs 04

Steimer / Schneider

2 samples of 2.5 ml serum, lyophilised						
Chlorprotixene	Desmethyl olanzapine		Olanzapine	Paroxetine		
	Jan. (1)	Mar. (2)	May (3)	July (4)	Sep. (5)	Oct. (6)
Deadline for registration	24.11.17	12.01.18	09.03.18	04.05.18	29.06.18	17.08.18
Shipment	10.01.18	07.03.18	07.05.18	04.07.18	29.08.18	10.10.18
Deadline for receipt of data	24.01.18	21.03.18	25.05.18	18.07.18	12.09.18	24.10.18

876 Benzodiazepines 01

Steimer / Schneider

2 samples of 2.5 ml serum, lyophilised				
Alprazolam Diazepam Trazodone	Chlordiazepoxide Nordiazepam	Desalkylflurazepam Oxazepam		
	Jan. (1)	May (3)	Sep. (5)	Oct. (6)
Deadline for registration	24.11.17	09.03.18	29.06.18	17.08.18
Shipment	10.01.18	07.05.18	29.08.18	10.10.18
Deadline for receipt of data	24.01.18	25.05.18	12.09.18	24.10.18

877 Benzodiazepines 02

Steimer / Schneider

2 samples of 2.5 ml serum, lyophilised				
Clonazepam Nitrazepam	Flunitrazepam Temazepam	Flurazepam		
	Jan. (1)	May (3)	Sep. (5)	Oct. (6)
Deadline for registration	24.11.17	09.03.18	29.06.18	17.08.18
Shipment	10.01.18	07.05.18	29.08.18	10.10.18
Deadline for receipt of data	24.01.18	25.05.18	12.09.18	24.10.18

2 samples of 2.5 ml serum, lyophilised

Bromazepam

Clobazam (Clobazepam)

Lorazepam

	Jan. (1)	May (3)	Sep. (5)	Oct. (6)
Deadline for registration	24.11.17	09.03.18	29.06.18	17.08.18
Shipment	10.01.18	07.05.18	29.08.18	10.10.18
Deadline for receipt of data	24.01.18	25.05.18	12.09.18	24.10.18

3 samples of whole blood, lyophilised (on rare of occasions only 2 samples)

Cyclosporine A

Everolimus

Sirolimus

Tacrolimus

Seperate shipment might be necessary because of infectivity (UN 3373)!

	Mar. (2)	Oct. (6)
Deadline for registration	12.01.18	17.08.18
Shipment	07.03.18	10.10.18
Deadline for receipt of data	21.03.18	24.10.18

2 samples of 5 ml serum, lyophilised

Carbamacepine
Phenobarbital
Valproic AcidDigoxin
PhenytoinEthosuximid
PrimidonLithium
Theophylline

in combination of groups 195+197:

	Jan. (1)	Mar. (2)	May (3)	July (4)	Sep. (5)	Oct. (6)
Deadline for registration	24.11.17	12.01.18	09.03.18	04.05.18	29.06.18	17.08.18
Shipment	10.01.18	07.03.18	07.05.18	04.07.18	29.08.18	10.10.18
Deadline for receipt of data	24.01.18	21.03.18	25.05.18	18.07.18	12.09.18	24.10.18

participation according to RiliBÄK:
quarterly

2 samples of 5 ml serum, lyophilised

Amicacin
TobramycinDigitoxin
Vancomycin

Gentamicin

Methotrexate

in combination of groups 195+197:

	Jan. (1)	Mar. (2)	May (3)	July (4)	Sep. (5)	Oct. (6)
Deadline for registration	24.11.17	12.01.18	09.03.18	04.05.18	29.06.18	17.08.18
Shipment	10.01.18	07.03.18	07.05.18	04.07.18	29.08.18	10.10.18
Deadline for receipt of data	24.01.18	21.03.18	25.05.18	18.07.18	12.09.18	24.10.18

participation according to RiliBÄK:
quarterly

2 samples of 5 ml serum

10-OH-Carbamazepine O-Desmethylvenlafaxine	Aripiprazol Perazine	Citalopram Quetiapine	Lamotrigine Venlafaxine	
	Jan. (1)	May (3)	July (4)	Oct. (6)
Deadline for registration	24.11.17	09.03.18	04.05.18	17.08.18
Shipment	10.01.18	07.05.18	04.07.18	10.10.18
Deadline for receipt of data	24.01.18	25.05.18	18.07.18	24.10.18

2 samples of 5 ml serum

Amisulpride O-Desmethylvenlafaxine	Escitalopram Quetiapine	Mirtazapine Venlafaxine		
	Jan. (1)	May (3)	July (4)	Oct. (6)
Deadline for registration	24.11.17	09.03.18	04.05.18	17.08.18
Shipment	10.01.18	07.05.18	04.07.18	10.10.18
Deadline for receipt of data	24.01.18	25.05.18	18.07.18	24.10.18

2 samples of 5 ml serum

9-OH-Risperidone / Paliperidone Duloxetine Quetiapine	Clozapine Haloperidol Risperidone	Desmethylclozapine Olanzapine Ziprasidone		
	Jan. (1)	May (3)	July (4)	Oct. (6)
Deadline for registration	24.11.17	09.03.18	04.05.18	17.08.18
Shipment	10.01.18	07.05.18	04.07.18	10.10.18
Deadline for receipt of data	24.01.18	25.05.18	18.07.18	24.10.18

2 samples of 5 ml serum

Amitriptyline Desmethylclozapine Norclomipramine	Clomipramine Doxepin Nordoxepin	Clozapine Imipramine Nortriptyline	Desipramine Maprotiline Trimipramine	
	Jan. (1)	May (3)	July (4)	Oct. (6)
Deadline for registration	24.11.17	09.03.18	04.05.18	17.08.18
Shipment	10.01.18	07.05.18	04.07.18	10.10.18
Deadline for receipt of data	24.01.18	25.05.18	18.07.18	24.10.18

2 samples of 2.5 ml serum, lyophilised

Atomoxetine

Methylphenidate

Ritalinic acid

	Jan. (1)	May (3)	Sep. (5)	Oct. (6)
Deadline for registration	24.11.17	09.03.18	29.06.18	17.08.18
Shipment	10.01.18	07.05.18	29.08.18	10.10.18
Deadline for receipt of data	24.01.18	25.05.18	12.09.18	24.10.18

2 samples of 2,5 ml serum, lyophilised

Desipramine

Imipramine

Maproptiline

Normaproptiline

Tricyclic Antidepressants – Screen

in combination of groups 199+201+202:

	Jan. (1)	May (3)	July (4)	Oct. (6)
Deadline for registration	24.11.17	09.03.18	04.05.18	17.08.18
Shipment	10.01.18	07.05.18	04.07.18	10.10.18
Deadline for receipt of data	24.01.18	25.05.18	18.07.18	24.10.18

2 samples of 2,5 ml serum, lyophilised

Amitriptyline

Clomipramine

Norclomipramine

Nortriptyline

Tricyclic Antidepressants – Screen

in combination of groups 199+201+202:

	Jan. (1)	May (3)	July (4)	Oct. (6)
Deadline for registration	24.11.17	09.03.18	04.05.18	17.08.18
Shipment	10.01.18	07.05.18	04.07.18	10.10.18
Deadline for receipt of data	24.01.18	25.05.18	18.07.18	24.10.18

2 samples of 2,5 ml serum, lyophilised

Doxepin

Nordoxepin

Nortrimipramine

Trimipramine

Tricyclic Antidepressants – Screen

in combination of groups 199+201+202:

	Jan. (1)	May (3)	July (4)	Oct. (6)
Deadline for registration	24.11.17	09.03.18	04.05.18	17.08.18
Shipment	10.01.18	07.05.18	04.07.18	10.10.18
Deadline for receipt of data	24.01.18	25.05.18	18.07.18	24.10.18

2 samples of 2,5 ml serum, lyophilised

Tricyclic Antidepressants (qualitative)- Screening

May contain the following substances:

Amitriptyline
Desipramine
Imipramine
Nordoxepin
Nortriptyline

Clomipramine
Doxepin
Norclomipramine
Nortrimipramine
Trimipramine

participation according to RiliBÄK:
quarterly

	Jan. (1)	Mar. (2)	May (3)	July (4)	Sep. (5)	Oct. (6)
Deadline for registration	24.11.17	12.01.18	09.03.18	04.05.18	29.06.18	17.08.18
Shipment	10.01.18	07.03.18	07.05.18	04.07.18	29.08.18	10.10.18
Deadline for receipt of data	24.01.18	21.03.18	25.05.18	18.07.18	12.09.18	24.10.18

2 samples of 5 ml urine, lyophilised

Tricyclic Antidepressants (qualitative)- Screening

May contain the following substances:

Amitriptyline
Desipramine
Imipramine
Nordoxepin
Nortriptyline

Clomipramine
Doxepin
Norclomipramine
Nortrimipramine
Trimipramine

participation according to RiliBÄK:
quarterly

	Jan. (1)	Mar. (2)	May (3)	July (4)	Sep. (5)	Oct. (6)
Deadline for registration	24.11.17	12.01.18	09.03.18	04.05.18	29.06.18	17.08.18
Shipment	10.01.18	07.03.18	07.05.18	04.07.18	29.08.18	10.10.18
Deadline for receipt of data	24.01.18	21.03.18	25.05.18	18.07.18	12.09.18	24.10.18

2 samples of 1 – 3 ml, serum, lyophilised

We will inform you in time about the current parameters for the determination from the list below.

Amprenavir
Dolutegravir
Etravirine
Nevirapine
Rilpivirin

Atazanavir
Efavirenz
Lopinavir
Raltegravir
Ritonavir

Darunavir
Elvitegravir
Maraviroc
Ribavirine

	Mar. (2)	May (3)	Sep. (5)	Oct. (6)
Deadline for registration	26.01.18	29.03.18	20.07.18	31.08.18
Shipment	07.03.18	07.05.18	29.08.18	10.10.18
Deadline for receipt of data	21.03.18	25.05.18	12.09.18	24.10.18

Note for drugs of abuse in urine

The drugs of abuse (urine) schemes 174, 176 and 177 have been redesigned over the past years. Splitting the 12 substances tested into 3 samples now completely avoids unpredictable cross-reactivity. Together with the cutoffs requested on the report forms it is now possible to determine a clearly defined qualitative target value (positive or negative). This now finally allows participants to successfully complete the scheme with any CE-certified assay on the market based on comprehensible criteria. The EQA-scheme primarily tests whether manufacturer claims regarding cutoffs are correct and whether participants produce the results that are expected with their particular assay. A further improvement was achieved by introducing a third class of results questionable positive. Results reported as questionable positive are considered correct if the reported cutoff is closer than 45% to the added concentration. This was introduced since a high number of different cutoffs are regularly reported, making it impossible to choose concentrations in sufficient distance to all cutoffs. Concentrations in proximity to assay cutoffs may lead to erroneous results due to the unavoidable variance of the assays. Reporting questionable positive in these cases overcomes the problem. To summarize, the changes made over the past years have considerably improved the design and reproducibility of the drugs of abuse schemes.

174

Drugs of Abuse in Human Urine 01 (Qualitative+Quantitative)

Steimer / Niederau

2 samples of 3 ml urine, lyophilised

Amphetamine (qualitative)
Barbiturate-phenobarbiturate (qualitative)
Benzoyllecgonine (qualitative)
Opiate / Morphin (qualitative)

Amphetamine (quantitative)
Barbiturate-phenobarbiturate (quantitative)
Benzoyllecgonine (quantitative)
Opiate / Morphin (quantitative)

in combination of groups 174+176+177:

participation according to RiliBÄK:
quarterly

	Jan. (1)	May (3)	July (4)	Oct. (6)
Deadline for registration	24.11.17	09.03.18	04.05.18	17.08.18
Shipment	10.01.18	07.05.18	04.07.18	10.10.18
Deadline for receipt of data	24.01.18	25.05.18	18.07.18	24.10.18

176

Drugs of Abuse in Human Urine 02 (Qualitative+Quantitative)

Steimer / Niederau

2 samples of 3 ml urine, lyophilised

(d-)Methamphetamine (qualitative)
Buprenorphine (qualitative)
LSD (qualitative)
Methadone (qualitative)

(d-)Methamphetamine (quantitative)
Buprenorphine (quantitative)
LSD (quantitative)
Methadone (quantitative)

in combination of groups 174+176+177:

participation according to RiliBÄK:
quarterly

	Jan. (1)	May (3)	July (4)	Oct. (6)
Deadline for registration	24.11.17	09.03.18	04.05.18	17.08.18
Shipment	10.01.18	07.05.18	04.07.18	10.10.18
Deadline for receipt of data	24.01.18	25.05.18	18.07.18	24.10.18

2 samples of 3 ml urine, lyophilised					in combination of groups 174+176+177: participation according to RiliBÄK: quarterly
delta-9-THC-COOH (qualitative)		delta-9-THC-COOH (quantitative)			
Benzodiazepine Lorazepam (qualitative)		Benzodiazepine Lorazepam (quantitative)			
EDDP (qualitative)		EDDP (quantitative)			
MDMA (qualitative)		MDMA (quantitative)			
	Jan. (1)	May (3)	July (4)	Oct. (6)	
Deadline for registration	24.11.17	09.03.18	04.05.18	17.08.18	
Shipment	10.01.18	07.05.18	04.07.18	10.10.18	
Deadline for receipt of data	24.01.18	25.05.18	18.07.18	24.10.18	

2 samples of 10 ml urine (lyophilised)			participation according to RiliBÄK: half-yearly
Chromatographic analysis with identification of the active substance (STA)			
From a list of 30 substances, the proof of 6 – 8 substances with chromatographic methods is required in both samples.			
This survey will be executed in cooperation with the Reference Institute for Bioanalytics, Bonn.			
	May (3)	Sep. (5)	
Deadline for registration	26.02.18	25.06.18	
Shipment	18.04.18	15.08.18	
Deadline for receipt of data	12.05.18	08.09.18	

161

Blood Gas Analysis

Luppa / Schneider

2 samples of 2.5 ml, liquid controls

Chloride
Potassium
SodiumGlucose
Creatinine
pCO₂Urea
Lactate
pHionized Calcium
Magnesium
pO₂participation according to RiliBÄK:
quarterly

	Jan. (1)	Mar. (2)	May (3)	July (4)	Sep. (5)	Oct. (6)
Deadline for registration	24.11.17	12.01.18	09.03.18	04.05.18	29.06.18	17.08.18
Shipment	10.01.18	07.03.18	07.05.18	04.07.18	29.08.18	10.10.18
Deadline for receipt of data	24.01.18	21.03.18	25.05.18	18.07.18	12.09.18	24.10.18

162

Blood Gas Analysis – Haemoglobin

Dorn-Beineke / Nebe

2 samples of 2.5 ml, liquid controls

Fraction CO-Hb

Fraction Met-Hb

Fraction O₂-Hb

Haemoglobin

participation according to RiliBÄK:
quarterly

	Jan. (1)	Mar. (2)	May (3)	July (4)	Sep. (5)	Oct. (6)
Deadline for registration	24.11.17	12.01.18	09.03.18	04.05.18	29.06.18	17.08.18
Shipment	10.01.18	07.03.18	07.05.18	04.07.18	29.08.18	10.10.18
Deadline for receipt of data	24.01.18	21.03.18	25.05.18	18.07.18	12.09.18	24.10.18

163

Blood Gas Analysis OPTI Systems

Luppa / Schneider

2 samples of 1.7 ml, liquid controls

Chloride
Potassium
pHHaemoglobin
Lactate
pO₂Urea
Sodium
sO₂ionized Calcium
pCO₂participation according to RiliBÄK:
quarterly

	Jan. (1)	Mar. (2)	May (3)	July (4)	Sep. (5)	Oct. (6)
Deadline for registration	24.11.17	12.01.18	09.03.18	04.05.18	29.06.18	17.08.18
Shipment	10.01.18	07.03.18	07.05.18	04.07.18	29.08.18	10.10.18
Deadline for receipt of data	24.01.18	21.03.18	25.05.18	18.07.18	12.09.18	24.10.18

2 samples of plasma or whole blood							participation according to RiliBÄK: quarterly
Glucose							
Point of Care Testing Systems							
	Jan. (1)	Mar. (2)	May (3)	July (4)	Sep. (5)	Oct. (6)	
Deadline for registration	24.11.17	12.01.18	09.03.18	04.05.18	29.06.18	17.08.18	
Shipment	10.01.18	07.03.18	07.05.18	04.07.18	29.08.18	10.10.18	
Deadline for receipt of data	24.01.18	21.03.18	25.05.18	18.07.18	12.09.18	24.10.18	

2 samples of serum, lyophilised				Evaluation of up to 8 pairs of results: 9-16: more than 17: participation according to RiliBÄK: quarterly		
Albumin	alpha – Amylase	AP				
Bilirubin	Bilirubin conj.	Calcium				
Chloride	Cholesterol	CK				
C-Reactive Protein (quantitative)	Protein	GGT				
Glucose	GOT	GPT				
Uric Acid	Urea	HDL-cholesterol				
Potassium	Creatinine	Lactate				
LDH	LDL-cholesterol	Magnesium				
Sodium	Phosphate	tCO2				
Triglycerides	VLDL-cholesterol					
	Mar. (2)	May (3)	Sep. (5)	Oct. (6)		
Deadline for registration	12.01.18	09.03.18	29.06.18	17.08.18		
Shipment	07.03.18	07.05.18	29.08.18	10.10.18		
Deadline for receipt of data	21.03.18	25.05.18	12.09.18	24.10.18		

2 samples of serum, plasma, lyophilised							participation according to RiliBÄK: quarterly
alpha – Amylase	AP			Bilirubin			
Cholesterol	CK			GGT			
Glucose	GOT			GPT			
Uric Acid	Urea			HDL-cholesterol			
Potassium	Creatinine			Pancreas amylase			
Triglycerides							
	Jan. (1)	Mar. (2)	May (3)	July (4)	Sep. (5)	Oct. (6)	
Deadline for registration	24.11.17	12.01.18	09.03.18	04.05.18	29.06.18	17.08.18	
Shipment	10.01.18	07.03.18	07.05.18	04.07.18	29.08.18	10.10.18	
Deadline for receipt of data	24.01.18	21.03.18	25.05.18	18.07.18	12.09.18	24.10.18	

171

Urine Chemistry 01 (Qualitative)

Fried / Niederau

2 samples urine, lyophilised / liquid

Ascorbic acid	Bilirubin	Protein
Erythrocytes	Glucose	hCG
Ketone bodies	Leucocytes	Microalbuminuria
Nitrite	pH	Urobilinogen
specif. gravity		

	Jan. (1)	May (3)	July (4)	Oct. (6)
Deadline for registration	24.11.17	09.03.18	04.05.18	17.08.18
Shipment	10.01.18	07.05.18	04.07.18	10.10.18
Deadline for receipt of data	24.01.18	25.05.18	18.07.18	24.10.18

173

Urine Chemistry 02 (Quantitative)

Fried / Falck

2 samples urine, lyophilised / liquid

alpha – Amylase	alpha-1-Microglobulin	beta-2-Microglobulin
Calcium	Chloride	Iron
Protein	Glucose	Uric Acid
Urea	hCG intact	IgG
Potassium	Creatinine	Copper
Magnesium	Microalbumin	Sodium
Osmolality	Pancreas amylase	Phosphate
Transferrine		

participation according to RiliBÄK:
quarterly

	Jan. (1)	Mar. (2)	May (3)	July (4)	Sep. (5)	Oct. (6)
Deadline for registration	24.11.17	12.01.18	09.03.18	04.05.18	29.06.18	17.08.18
Shipment	10.01.18	07.03.18	07.05.18	04.07.18	29.08.18	10.10.18
Deadline for receipt of data	24.01.18	21.03.18	25.05.18	18.07.18	12.09.18	24.10.18

175

Urine chemistry 03 (Biogene Amines)

Maly / Lutz

2 samples of 8 ml urine, lyophilised

3-Methoxytyramine	5-Hydroxyindolea.acid	Epinephrine
Dopamine	Homovanillic acid	Metanephrines
Norepinephrine	Normetanephrine	Serotonin
Vanillylmandelic acid		

	Mar. (2)	May (3)	Sep. (5)	Oct. (6)
Deadline for registration	12.01.18	09.03.18	29.06.18	17.08.18
Shipment	07.03.18	07.05.18	29.08.18	10.10.18
Deadline for receipt of data	21.03.18	25.05.18	12.09.18	24.10.18

178 Urine Chemistry 04 (Porphyrins)

N.N. / Lutz

2 samples of 10 ml urine, lyophilised			
Aminolaevulinic acid Coproporphyrin 1 Pentaporphyrin Uroporphorin	Heptaporphyrin Coproporphyrin 3 Porphobilinogen	Hexaporphyrin Coproporphyrin total Porphyrins total	
		May (3)	Oct. (6)
Deadline for registration		09.03.18	17.08.18
Shipment		07.05.18	10.10.18
Deadline for receipt of data		25.05.18	24.10.18

179 Urine Chemistry 05 (Hormones)

N.N. / Lutz

2 samples of 5 ml urine, lyophilised			
Aldosterone	Cortisol free	hCG intact	
		May (3)	Oct. (6)
Deadline for registration		09.03.18	17.08.18
Shipment		07.05.18	10.10.18
Deadline for receipt of data		25.05.18	24.10.18

172 Urine Chemistry 06 (Sediment Pictures)

Fried / Niederau

					additional sample not available
Sediment pictures					
Also available online in digital microscopy!					participation according to RiliBÄK: yearly
	Jan. (1)	May (3)	July (4)	Oct. (6)	
Deadline for registration	24.11.17	09.03.18	04.05.18	17.08.18	
Shipment	10.01.18	07.05.18	04.07.18	10.10.18	
Deadline for receipt of data	24.01.18	25.05.18	18.07.18	24.10.18	

532

Bacterial Genome Detection – Bordetella pertussis

Reischl / Schneider

1 set = 4 samples of 0.3 ml, lyophilised

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

participation according to RiliBÄK:
half-yearly

June (3)

Nov. (6)

Deadline for registration

16.03.18

24.08.18

Shipment

16.05.18

24.10.18

Deadline for receipt of data

04.06.18

09.11.18

535

Bacterial Genome Detection – Borrelia burgdorferi

Reischl / Fingerle

1 set = 4 samples of 0.3 ml, lyophilised

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

participation according to RiliBÄK:
half-yearly

June (3)

Nov. (6)

Deadline for registration

16.03.18

24.08.18

Shipment

16.05.18

24.10.18

Deadline for receipt of data

04.06.18

09.11.18

544

Bacterial Genome Detection – Carbapenemase-Genes

Reischl / Anders

1 set = 4 samples of 0.3 ml, lyophilised

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

June (3)

Nov. (6)

Deadline for registration

16.03.18

24.08.18

Shipment

16.05.18

24.10.18

Deadline for receipt of data

04.06.18

09.11.18

540

Bacterial Genome Detection – Chlamydia pneumoniae

Reischl / Maaß

1 set = 4 samples of 0.3 ml, lyophilised

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

participation according to RiliBÄK:
half-yearly

June (3)

Nov. (6)

Deadline for registration

16.03.18

24.08.18

Shipment

16.05.18

24.10.18

Deadline for receipt of data

04.06.18

09.11.18

531

Bacterial Genome Detection – Chlamydia trachomatis

Reischl / Baier

1 set = 4 samples of 0.3 ml, lyophilised

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

participation according to RiliBÄK:
half-yearly

	June (3)	Nov. (6)
Deadline for registration	16.03.18	24.08.18
Shipment	16.05.18	24.10.18
Deadline for receipt of data	04.06.18	09.11.18

530

Bacterial Genome Detection – Chlamydia trachomatis & Neisseria gonorrhoeae

Reischl / Baier

1 set = 4 samples of 0.3 ml, lyophilised

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

participation according to RiliBÄK:
half-yearly

	June (3)	Nov. (6)
Deadline for registration	16.03.18	24.08.18
Shipment	16.05.18	24.10.18
Deadline for receipt of data	04.06.18	09.11.18

545

Bacterial Genome Detection – Clostridium difficile (Toxin Gene)

Reischl / Schneider

1 set = 4 samples of 0.3 ml, lyophilised

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

	June (3)	Nov. (6)
Deadline for registration	16.03.18	24.08.18
Shipment	16.05.18	24.10.18
Deadline for receipt of data	04.06.18	09.11.18

542

Bacterial Genome Detection – Coxiella burnetii / Bacillus anthracis

Reischl / Frangoulidis / Grass

1 set = 4 samples of 0.3 ml, lyophilised

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

participation according to RiliBÄK:
half-yearly

	June (3)	Nov. (6)
Deadline for registration	16.03.18	24.08.18
Shipment	16.05.18	24.10.18
Deadline for receipt of data	04.06.18	09.11.18

534

Bacterial Genome Detection – EHEC / STEC

Reischl / Schneider

1 set = 4 samples of 0.3 ml, lyophilised

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

participation according to RiliBÄK:
half-yearly

June (3)

Nov. (6)

Deadline for registration

16.03.18

24.08.18

Shipment

16.05.18

24.10.18

Deadline for receipt of data

04.06.18

09.11.18

543

Bacterial Genome Detection – Francisella tularensis

Reischl / von Buttlar

1 set = 4 samples of 0.3 ml, lyophilised

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

participation according to RiliBÄK:
half-yearly

June (3)

Nov. (6)

Deadline for registration

16.03.18

24.08.18

Shipment

16.05.18

24.10.18

Deadline for receipt of data

04.06.18

09.11.18

533

Bacterial Genome Detection – Helicobacter pylori

Reischl / Schneider

1 set = 4 samples of 0.3 ml, lyophilised

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

participation according to RiliBÄK:
half-yearly

June (3)

Nov. (6)

Deadline for registration

16.03.18

24.08.18

Shipment

16.05.18

24.10.18

Deadline for receipt of data

04.06.18

09.11.18

536

Bacterial Genome Detection – Legionella pneumophila

Reischl / Schneider

1 set = 4 samples of 0.3 ml, lyophilised

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

participation according to RiliBÄK:
half-yearly

June (3)

Nov. (6)

Deadline for registration

16.03.18

24.08.18

Shipment

16.05.18

24.10.18

Deadline for receipt of data

04.06.18

09.11.18

538 Bacterial Genome Detection – *Listeria* spp.

Reischl / Schneider

1 set = 4 samples of 0.3 ml, lyophilised			participation according to RiliBÄK: half-yearly
PCR or other procedures for nucleic acid amplification/detection of specific DNA			
	June (3)	Nov. (6)	
Deadline for registration	16.03.18	24.08.18	
Shipment	16.05.18	24.10.18	
Deadline for receipt of data	04.06.18	09.11.18	

539 Bacterial Genome Detection – MRSA or cMRSA

Reischl / Schneider

1 set = 4 samples of 0.3 ml, lyophilised		participation according to RiliBÄK: half-yearly	
PCR or other procedures for nucleic acid amplification/detection of specific DNA			
	June (3)		Nov. (6)
Deadline for registration	16.03.18		24.08.18
Shipment	16.05.18		24.10.18
Deadline for receipt of data	04.06.18	09.11.18	

541 Bacterial Genome Detection – *Mycoplasma pneumoniae*

Reischl / Jacobs

1 set = 4 samples of 0.3 ml, lyophilised			participation according to RiliBÄK: half-yearly
PCR or other procedures for nucleic acid amplification/detection of specific DNA			
	June (3)	Nov. (6)	
Deadline for registration	16.03.18	24.08.18	
Shipment	16.05.18	24.10.18	
Deadline for receipt of data	04.06.18	09.11.18	

537 Bacterial Genome Detection – *Salmonella enterica*

Reischl / Schneider

1 set = 4 samples of 0.3 ml, lyophilised			participation according to RiliBÄK: half-yearly
PCR or other procedures for nucleic acid amplification/detection of specific DNA			
	June (3)	Nov. (6)	
Deadline for registration	16.03.18	24.08.18	
Shipment	16.05.18	24.10.18	
Deadline for receipt of data	04.06.18	09.11.18	

546

Bacterial Genome Detection – VRE (Vancomycin Resistant Enterococci)

Reischl / Schneider

1 set = 4 samples of 0.3 ml, lyophilised

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

June (3)**Nov. (6)**

Deadline for registration

16.03.18

24.08.18

Shipment

16.05.18

24.10.18

Deadline for receipt of data

04.06.18

09.11.18

580

Bacterial Genome Detection – Molecular Genetic Analysis of the Human Mikrobiome

Gessner / Reischl

Standardized stool samples – delivered with dry ice!

additional sample not available

NGS-Analysis (next generation sequencing)

Variant shipment possible!

July (3)

Deadline for registration

14.03.18

Shipment

14.05.18

Deadline for receipt of data

27.07.18

580

Fungal Genome Detection – Pneumocystis jirovecii

Reischl / Reiter-Owona

1 set = 4 samples of 0.3 ml, lyophilised

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

June (3)**Nov. (6)**

Deadline for registration

16.03.18

24.08.18

Shipment

16.05.18

24.10.18

Deadline for receipt of data

04.06.18

09.11.18



5 samples, lyophilised

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.

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

**participation according to RiliBÄK:
half-yearly**

	Mar. (1)	Aug. (5)
Deadline for registration	22.12.17	13.07.18
Shipment	21.02.18	22.08.17
Deadline for receipt of data	02.03.18	31.08.17



3 samples (drying process)

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.

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

**participation according to RiliBÄK:
half-yearly**

	Feb. (1)	Apr. (3)	July (4)	Nov. (6)
Deadline for registration	01.12.17	16.02.18	18.05.18	28.09.18
Shipment	24.01.18	11.04.18	11.07.18	21.11.18
Deadline for receipt of data	02.02.18	20.04.18	20.07.18	30.11.18

3 slides (heat-fixed)

Evaluation of morphology and staining characteristics

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.

Additional participation in EQA scheme No. 413 "Gram Stain" is NOT required.

**participation according to RiliBÄK:
half-yearly**

	Mar. (2)	Oct. (6)
Deadline for registration	02.02.18	31.08.18
Shipment	14.03.18	10.10.18
Deadline for receipt of data	23.03.18	19.10.18

2 samples of 0.2 ml, serum

additional sample not available

Antibodies against Bordetella pertussis

	Nov. (6)
Deadline for registration	24.08.18
Shipment	24.10.18
Deadline for receipt of data	09.11.18

2 samples of 0.4 ml, serum

additional sample not available

Antibodies against Borrelia

**participation according to RiliBÄK:
half-yearly**

	June (3)	Nov. (6)
Deadline for registration	16.03.18	24.08.18
Shipment	16.05.18	24.10.18
Deadline for receipt of data	04.06.18	09.11.18

2 samples of 0.4 ml, serum

additional sample not available

Antibodies against campylobacter

	June (3)
Deadline for registration	16.03.18
Shipment	16.05.18
Deadline for receipt of data	04.06.18

314 Infection Serology – Chlamydia pneumoniae (Chlamydophila) Antibodies

Hunfeld / Müller

2 samples of 0.4 ml, serum	additional sample not available	
Antibodies against Chlamydia pneumoniae		
	June (3)	Nov. (6)
Deadline for registration	16.03.18	24.08.18
Shipment	16.05.18	24.10.18
Deadline for receipt of data	04.06.18	09.11.18

312 Infection Serology – Chlamydia trachomatis Antibodies

Hunfeld / Müller

2 samples of 0.2 ml, serum	additional sample not available	
Antibodies against Chlamydia trachomatis		
	June (3)	Nov. (6)
Deadline for registration	16.03.18	24.08.18
Shipment	16.05.18	24.10.18
Deadline for receipt of data	04.06.18	09.11.18

316 Infection Serology – Chlamydia trachomatis Direct Detection (Slide)

Hunfeld / Müller

2 slides	additional sample not available	
Direct detection of Chlamydia trachomatis antigen (dir. IFA)		
	June (3)	Nov. (6)
Deadline for registration	16.03.18	24.08.18
Shipment	16.05.18	24.10.18
Deadline for receipt of data	04.06.18	09.11.18

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

Hunfeld / Müller



2 samples of 0.2 ml, serum	additional sample not available	
Direct detection of Chlamydia trachomatis antigen (ELISA, PCR)		
	June (3)	Nov. (6)
Deadline for registration	16.03.18	24.08.18
Shipment	16.05.18	24.10.18
Deadline for receipt of data	04.06.18	09.11.18

ⓘ Please fill in page 2 of the order form for handling of infectious samples for EQAS unless you already returned your completed form 2 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 / Müller

2 samples of 0.3 ml, serum

additional sample not available

Antibodies against Coxiella burnetii

Nov. (6)

Deadline for registration

24.08.18

Shipment

24.10.18

Deadline for receipt of data

09.11.18

318

Infection Serology – Diphtheria Toxoid Antibodies

Hunfeld / Müller

2 samples of 0.4 ml, serum

additional sample not available

Antibodies against diphtheria toxoid

June (3)**Nov. (6)**

Deadline for registration

16.03.18

24.08.18

Shipment

16.05.18

24.10.18

Deadline for receipt of data

04.06.18

09.11.18

334

Infection Serology – Helicobacter pylori Antibodies

Hunfeld / Müller

2 samples of 0.4 ml, serum

additional sample not available

Antibodies against Helicobacter pylori

June (3)**Nov. (6)**

Deadline for registration

16.03.18

24.08.18

Shipment

16.05.18

24.10.18

Deadline for receipt of data

04.06.18

09.11.18

324

Infection Serology – Mycoplasma pneumoniae Antibodies

Hunfeld / Müller

2 samples of 0.3 ml, serum

additional sample not available

Antibodies against mycoplasma pneumoniae

Nov. (6)

Deadline for registration

24.08.18

Shipment

24.10.18

Deadline for receipt of data

09.11.18

320 Infection Serology – Procalcitonin

Hunfeld / Müller

2 samples of 0.2 ml, serum			
Diagnostic comments		Procalcitonin (qualitative)	
Procalcitonin (quantitative)		Procalcitonin (semi-quantitative)	
	June (3)	Nov. (6)	
Deadline for registration	16.03.18	24.08.18	
Shipment	16.05.18	24.10.18	
Deadline for receipt of data	04.06.18	09.11.18	

323 Infection Serology – Rheumatoid Factor

Hunfeld / Müller

2 samples of 0.4 ml, serum					participation according to RiliBÄK: quarterly
Rheumatoid factor (RF) (qualitative)		Rheumatoid factor (RF) (semi-quantitative)			
	Jan. (1)	June (3)	Sep. (5)	Nov. (6)	
Deadline for registration	10.11.17	16.03.18	29.06.18	24.08.18	
Shipment	10.01.18	16.05.18	29.08.18	24.10.18	
Deadline for receipt of data	24.01.18	04.06.18	12.09.18	09.11.18	

participation according to RiliBÄK:
quarterly

331 Infection Serology – Salmonella Antibodies

Hunfeld / Müller

2 samples of 0.4 ml, serum		additional sample not available	
Antibodies against salmonella			
	June (3)		Nov. (6)
Deadline for registration	16.03.18		24.08.18
Shipment	16.05.18	24.10.18	
Deadline for receipt of data	04.06.18	09.11.18	

331 Infection Serology – Streptococcal AB (ASL, aDNase)

Hunfeld / Müller

2 samples of 0.4 ml, serum			additional sample not available
anti-streptodornase (aDNase) (qualitative)		anti-streptodornase (aDNase) (semi-quantitative)	
anti-streptolysin O (ASO) (qualitative)		anti-streptolysin O (ASO) (semi-quantitative)	
	June (3)	Nov. (6)	
Deadline for registration	16.03.18	24.08.18	
Shipment	16.05.18	24.10.18	
Deadline for receipt of data	04.06.18	09.11.18	

participation according to RiliBÄK:
half-yearly

310

Infection Serology – Tetanus Toxoid Antibodies

Hunfeld / Müller

2 samples of 0.4 ml, serum

Antibodies against tetanus toxoid

additional sample not available

June (3)

Nov. (6)

Deadline for registration

16.03.18

24.08.18

Shipment

16.05.18

24.10.18

Deadline for receipt of data

04.06.18

09.11.18

311

Infection Serology – Treponema pallidum Antibodies

Hunfeld / Müller

2 samples of 0.4 ml, serum

Antibodies against *Treponema pallidum*

additional sample not available

participation according to RiliBÄK:
half-yearly

June (3)

Nov. (6)

Deadline for registration

16.03.18

24.08.18

Shipment

16.05.18

24.10.18

Deadline for receipt of data

04.06.18

09.11.18

315

Infection Serology – Yersinia Antibodies

Hunfeld / Müller

2 samples of 0.4 ml, serum

Antibodies against Yersinia

additional sample not available

June (3)

Deadline for registration

16.03.18

Shipment

16.05.18

Deadline for receipt of data

04.06.18

650

Interferon Gamma Release Assay (IGRA)

Sack / Boldt

Heparin whole blood, not stabilized, overnight shipping

Interferon Gamma Release Assay (IGRA)

additional sample not available

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.

EQA results can only be submitted online!

May (3)

Nov. (6)

Deadline for registration

23.03.18

24.08.18

Shipment

23.05.18

24.10.18

Deadline for receipt of data

30.05.18

05.11.18

490 Mycology 01 (Yeasts)

Haase / Geißdörfer / Schoerner



5 samples

Differentiation 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.

participation according to RiliBÄK:
half-yearly

	Feb. (1)	Oct. (5)
Deadline for registration	24.11.17	27.07.18
Shipment	24.01.18	26.09.18
Deadline for receipt of data	16.02.18	19.10.18

491 Mycology 02 (Dermatophytes, Yeasts, Mould Fungus)

Gräser / Nenoff / Haase



4 samples, living cultures

Differentiation of Dermatophytes, Yeasts and Moulds

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

EQA results can only be submitted online!

participation according to RiliBÄK:
half-yearly

	Apr. (2)	Oct. (5)
Deadline for registration	26.01.18	27.07.18
Shipment	14.03.18	12.09.18
Deadline for receipt of data	27.04.18	26.10.18

480 Mycoserology 01 – Candida (Antigen+Antibodies)

Weig / Bader

2 samples, serum

Candida antigen
Candida IgG

Candida total AB
Candida IgM

Candida IgA

participation according to RiliBÄK:
half-yearly

	Feb. (1)	Oct. (5)
Deadline for registration	24.11.17	20.07.18
Shipment	24.01.18	19.09.18
Deadline for receipt of data	07.02.18	04.10.18

481 Mycoserology 02 – Cryptococcus neoformans/Cryptococcus gattii Antigen

Rickerts / Wilmes



2 samples, serum or CSF

Detection of Cryptococcus neoformans / Cryptococcus gattii Antigen

participation according to RiliBÄK:
half-yearly

	Feb. (1)	Oct. (5)
Deadline for registration	24.11.17	20.07.18
Shipment	24.01.18	19.09.18
Deadline for receipt of data	07.02.18	04.10.18

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492

Genome Detection of Dermatophytes

Gräser / Nenoff

1 set = 4 samples, lyophilised

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

	Apr. (2)	Sep. (5)
Deadline for registration	19.01.18	27.07.18
Shipment	14.03.18	12.09.18
Deadline for receipt of data	03.04.18	28.09.18

456

Parasite Microscopy "Blood"

Hörauf / Reiter-Owona / Tannich / Tappe

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

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

Blood parasites – speciation

participation according to RiliBÄK:
half-yearly

	Mar. (2)	May (3)	Sep. (5)	Oct. (6)
Deadline for registration	12.01.18	09.03.18	29.06.18	17.08.18
Shipment	07.03.18	07.05.18	29.08.18	10.10.18
Deadline for receipt of data	21.03.18	25.05.18	12.09.18	24.10.18

451

Parasite Microscopy "Stool"

Tannich / Tappe

2 samples, fecal suspension or fecal smear

Stool parasites – speciation

participation according to RiliBÄK:
half-yearly

	May (3)	Oct. (6)
Deadline for registration	09.03.18	17.08.18
Shipment	07.05.18	10.10.18
Deadline for receipt of data	25.05.18	24.10.18

455

Parasite Serology – Amoebiasis and Echinococcosis

Hörauf / Reiter-Owona

2 samples variable volumes, serum

Amoebiasis and echinococcosis

participation according to RiliBÄK:
yearly

	Oct. (6)
Deadline for registration	17.08.18
Shipment	10.10.18
Deadline for receipt of data	24.10.18

454 Parasite Serology – Malaria and Schistosomiasis

Hörauf / Reiter-Owona

2 samples variable volumes, serum

Malaria and schistosomiasis

participation according to RiliBÄK:
yearly

May (3)

Deadline for registration 09.03.18
Shipment 07.05.18
Deadline for receipt of data 25.05.18

452 Parasite Serology – Toxoplasmosis

Hörauf / Reiter-Owona

2 samples, variable volumes, serum

Toxoplasmosis

participation according to RiliBÄK:
half-yearly

May (3)

Oct. (6)

Deadline for registration 09.03.18 17.08.18
Shipment 07.05.18 10.10.18
Deadline for receipt of data 25.05.18 24.10.18

457 Detection of Toxoplasma DNA (PCR)

Hörauf / Reiter-Owona

3 samples, stabilized EDTA-blood (and/or amnion fluid, buffer)

Toxoplasma gondii-genom PCR

participation according to RiliBÄK:
half-yearly

Mar. (2)

Sep. (5)

Deadline for registration 12.01.18 29.06.18
Shipment 07.03.18 29.08.18
Deadline for receipt of data 21.03.18 12.09.18

421 Mycobacteriology 01 – Microscopy

Hillemann / Andres



6 samples, microscopic slides

additional sample not available

Detection of acid-fast bacilli

participation according to RiliBÄK:
half-yearly

Feb. (1)

Oct. (5)

Deadline for registration 24.11.17 20.07.18
Shipment 24.01.18 26.09.18
Deadline for receipt of data 02.02.18 08.10.18

ⓘ Please fill in page 2 of the order form for handling of infectious samples for EQAS unless you already returned your completed form 2 to INSTAND e. V. when you registered for recent EQA schemes. Without your confirmation we cannot send you the EQAS samples.

424

Mycobacteriology 04 – NAT

Hillemann / Andres



5 samples, sputum specimens

additional sample not available

Detection of tubercle-bacilli by nucleic-acid amplification (PCR)

participation according to RiliBÄK:
half-yearly

	Feb. (1)	Oct. (5)
Deadline for registration	24.11.17	20.07.18
Shipment	24.01.18	26.09.18
Deadline for receipt of data	02.02.18	08.10.18

422

Mycobacteriology 02 – Culture

Hillemann / Andres



5 samples, sputum specimens

additional sample not available

Detection of mycobacteria by culture and (optional) identification of tubercle-bacilli

participation according to RiliBÄK:
half-yearly

	Mar. (1)	Nov. (5)
Deadline for registration	24.11.17	20.07.18
Shipment	24.01.18	26.09.18
Deadline for receipt of data	23.03.18	23.11.18

423

Mycobacteriology 03 – Identification

Hillemann / Andres



5 samples, suspensions of mycobacterial strains

additional sample not available

Identification of mycobacteria; 5 cultures

participation according to RiliBÄK:
half-yearly

	Mar. (1)	Nov. (5)
Deadline for registration	24.11.17	20.07.18
Shipment	24.01.18	26.09.18
Deadline for receipt of data	02.03.18	05.11.18

425

Mycobacteriology 05 – Drug Susceptibility Testing

Hillemann / Andres



5 samples, suspensions of Mycobacterium tuberculosis complex strains

additional sample not available

Sensitivity testing and (optional) identification

participation according to RiliBÄK:
half-yearly

	Mar. (1)	Nov. (5)
Deadline for registration	24.11.17	20.07.18
Shipment	24.01.18	26.09.18
Deadline for receipt of data	02.03.18	05.11.18

! Please fill in page 2 of the order form for handling of infectious samples for EQAS unless you already returned your completed form 2 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

A – Subtyping
Antibody Screening
Rh – Subtyping (without Cw)A B 0 – Typing
Kell antigenDirect Antiglobulin Test
Rh (D) Factorparticipation according to RiliBÄK:
quarterly

	Jan. (1)	May (3)	July (4)	Oct. (6)
Deadline for registration	24.11.17	09.03.18	04.05.18	17.08.18
Shipment	10.01.18	07.05.18	04.07.18	10.10.18
Deadline for receipt of data	24.01.18	25.05.18	18.07.18	24.10.18

232 Immunohaematology 02

Wagner / Geisen

2 sets of samples: 1 set = 2 x 5 ml serum/1 x 5 ml erythrocytes suspension

A – Subtyping
AB quantitation
Kell antigenA B 0 – Typing
Direct Antiglobulin Test
Rh (D) FactorAntibody ID
Antibody Screening
Rh – Subtyping (without Cw)participation according to RiliBÄK:
quarterly

	Jan. (1)	May (3)	July (4)	Oct. (6)
Deadline for registration	24.11.17	09.03.18	04.05.18	17.08.18
Shipment	10.01.18	07.05.18	04.07.18	10.10.18
Deadline for receipt of data	24.01.18	25.05.18	18.07.18	24.10.18

237 Immunohaematology 05 (Machine-Based Analysis)

Wagner / Geisen

2 samples, anticoagulated whole blood (haematocrit 30%)

A – Subtyping
Direct Antiglobulin Test
Rh (D) FactorA B 0 – Typing
Antibody Screening
Rh – Subtyping (without Cw)Antibody ID
Kell antigenparticipation according to RiliBÄK:
quarterly

	Jan. (1)	May (3)	July (4)	Oct. (6)
Deadline for registration	24.11.17	09.03.18	04.05.18	17.08.18
Shipment	10.01.18	07.05.18	04.07.18	10.10.18
Deadline for receipt of data	24.01.18	25.05.18	18.07.18	24.10.18

4 DNA samples

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.

EQA results can only be submitted online!

	May (3)	Oct. (6)
Deadline for registration	09.03.18	17.08.18
Shipment	07.05.18	10.10.18
Deadline for receipt of data	25.05.18	24.10.18

2 samples, anticoagulated whole blood (haematocrit 30%), 2 samples of plasma

A – Subtyping
AB quantitation
Kell antigen

A B 0 – Typing
Direct Antiglobulin Test
Rh (D) Factor

Antibody ID
Antibody Screening
Rh – Subtyping (without Cw)

participation according to RiliBÄK:
quarterly

	Jan. (1)	May (3)	July (4)	Oct. (6)
Deadline for registration	24.11.17	09.03.18	04.05.18	17.08.18
Shipment	10.01.18	07.05.18	04.07.18	10.10.18
Deadline for receipt of data	24.01.18	25.05.18	18.07.18	24.10.18

3 samples of serum/plasma, 2 samples of DNA, 2 samples of platelet suspension

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	12.01.18	29.06.18
Shipment	07.03.18	29.08.18
Deadline for receipt of data	06.04.18	26.09.18

3 samples of plasma, 2 samples of DNA			additional sample not available
HNA/granulocyte antibodies	HNA/granulocyte (neutrophil) antigens		
This EQA scheme includes all HNA antibody specifications. It is dedicated to laboratories which are able to detect granulocyte antibodies and antigens. 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 repeatedly not sent back any results.			
	Apr. (2)	Sep. (5)	
Deadline for registration	12.01.18	29.06.18	
Shipment	07.03.18	29.08.18	
Deadline for receipt of data	06.04.18	26.09.18	

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), World Health Organization and International Consortium for Blood Safety. The characterization of the EQA samples including the determination of the target values/consensus values is carried out in cooperation with the INSTAND Expert laboratories.

Information for 2018 (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 schemes are suitable to be analyzed by different methods for the detection of the corresponding analyte.

Example: EQA scheme "Virus immunology - HIV-1 / HIV-2" - 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

New INSTAND EQA schemes in virus diagnostics are currently in preparation. The details on type, performance and costs of the new EQA schemes will be published on the INSTAND website and circulated to the participants of the INSTAND EQA schemes by mail and email, respectively.

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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

Polymerase chain reaction (PCR) and other nucleic acid amplification techniques (NAT) for adenovirus DNA with the option for the determination of species and types, respectively

participation according to RiliBÄK:
half-yearly

	June (4)	Nov. (6)
Deadline for registration	27.04.18	28.09.18
Shipment	13.06.18	14.11.18
Deadline for receipt of data	29.06.18	30.11.18



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

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

Cooperation with:
Nationales Referenzzentrum für Papillom- und Polyomaviren, Institut für Virologie, Uniklinik Köln

	Mar. (2)	Sep. (5)
Deadline for registration	12.01.18	20.07.18
Shipment	28.02.18	05.09.18
Deadline for receipt of data	16.03.18	21.09.18

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

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

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, Munich

	Mar. (2)	Sep. (5)
Deadline for registration	12.01.18	20.07.18
Shipment	28.02.18	05.09.18
Deadline for receipt of data	16.03.18	21.09.18



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

Polymerase chain reaction (PCR) and other nucleic acid amplification techniques (NAT) for CoV RNA with the option for differentiation between MERS coronavirus and other human coronaviruses (samples which contain the MERS coronavirus are inactivated)

Cooperation with:
Nationales Konsiliarlabor für Coronaviren, Institut für Virologie, Charité-Universitätsmedizin Berlin

	June (4)	Nov. (6)
Deadline for registration	27.04.18	28.09.18
Shipment	13.06.18	14.11.18
Deadline for receipt of data	29.06.18	30.11.18



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

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

participation according to RiliBÄK:
half-yearly

	Mar. (2)	June (4)	Sep. (5)	Nov. (6)
Deadline for registration	12.01.18	27.04.18	20.07.18	28.09.18
Shipment	28.02.18	13.06.18	05.09.18	14.11.18
Deadline for receipt of data	16.03.18	29.06.18	21.09.18	30.11.18



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

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

The training samples will contain virus concentrations which fall outside the requirements of the specified RiliBÄK section B 3.

The training program (368) can only be ordered together with the corresponding main EQA scheme (365) for March.

Separate certificates will be issued for the training program (368) and the main EQA scheme (365, subject to RiliBÄK-B3).

Cooperation with:

Nationale Konsiliarlabore für Cytomegalievirus (CMV);

Institut für Virologie, Universitätsklinikum Ulm;

Institut für Medizinische Virologie und Epidemiologie der Viruskrankheiten, Universitätsklinikum Tübingen

	Mar. (2)
Deadline for registration	12.01.18
Shipment	28.02.18
Deadline for receipt of data	16.03.18



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

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

Cooperation with:

Nationale Konsiliarlabore für Cytomegalovirus (CMV);

Institut für Virologie, Universitätsklinikum Ulm;

Institut für Medizinische Virologie und Epidemiologie der Viruskrankheiten, Universitätsklinikum Tübingen

	Dec. (6)
Deadline for registration	28.09.18
Shipment	14.11.18
Deadline for receipt of data	21.12.18



Please fill in page 2 of the order form for handling of infectious samples for EQAS unless you already returned your completed form 2 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)

Polymerase chain reaction (PCR) and other nucleic acid amplification techniques (NAT) for dengue virus RNA with the option for typing

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, Munich

	Mar. (2)	Sep. (5)
Deadline for registration	12.01.18	20.07.18
Shipment	28.02.18	05.09.18
Deadline for receipt of data	16.03.18	21.09.18



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

Polymerase chain reaction (PCR) and other nucleic acid amplification techniques (NAT) for enterovirus RNA with the option for typing

participation according to RiliBÄK:
half-yearly

	June (4)	Nov. (6)
Deadline for registration	27.04.18	28.09.18
Shipment	13.06.18	14.11.18
Deadline for receipt of data	29.06.18	30.11.18



1 set = 5 samples of 1.5 ml, suspension of feces

additional sample not available

Enterovirus types will be detected using polymerase chain reaction (PCR)/ nucleic acid amplification techniques (NAT), virus cultivation and subsequent typing in accordance with the Entero Surveillance Program run by the Robert Koch-Institut (RKI).

**Please note: Specification of an enterovirus type is required in this EQA program.
This program does NOT replace the EQA scheme "Virus genome detection – Enteroviruses (372)!"**

Please note that participation in this special EQA program in accordance with the RKI-Entero Surveillance Program requires virus propagation in cell culture before carrying out virus typing.

Cooperation with:

Nationales Referenzzentrum für Poliomyelitis und Enteroviren, Robert Koch-Institut, Berlin

	Mar. (2)
Deadline for registration	12.01.18
Shipment	28.02.18
Deadline for receipt of data	29.03.18

This ring test will only be carried out again in 2020!



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

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

	June (4)	Nov. (6)
Deadline for registration	27.04.18	28.09.18
Shipment	13.06.18	14.11.18
Deadline for receipt of data	29.06.18	30.11.18

participation according to RiliBÄK:
half-yearly



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

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

	Mar. (2)	June (4)	Sep. (5)	Nov. (6)
Deadline for registration	12.01.18	27.04.18	20.07.18	28.09.18
Shipment	28.02.18	13.06.18	05.09.18	14.11.18
Deadline for receipt of data	16.03.18	29.06.18	21.09.18	30.11.18

participation according to RiliBÄK:
half-yearly



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

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

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	28.09.18
Shipment	14.11.18
Deadline for receipt of data	30.11.18



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

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

	Mar. (2)	June (4)	Sep. (5)	Nov. (6)
Deadline for registration	12.01.18	27.04.18	20.07.18	28.09.18
Shipment	28.02.18	13.06.18	05.09.18	14.11.18
Deadline for receipt of data	16.03.18	29.06.18	21.09.18	30.11.18

participation according to RiliBÄK:
half-yearly



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

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).

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	12.01.18
Shipment	28.02.18
Deadline for receipt of data	16.03.18



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

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

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	28.09.18
Shipment	14.11.18
Deadline for receipt of data	21.12.18



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

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

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

Sep. (5)

Deadline for registration	20.07.18
Shipment	05.09.18
Deadline for receipt of data	21.09.18

**participation according to RiliBÄK:
yearly**



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

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

participation according to RiliBÄK:
half-yearly

	Mar. (2)	June (4)	Sep. (5)	Nov. (6)
Deadline for registration	12.01.18	27.04.18	20.07.18	28.09.18
Shipment	28.02.18	13.06.18	05.09.18	14.11.18
Deadline for receipt of data	16.03.18	29.06.18	21.09.18	30.11.18



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

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

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 2016.

Separate certificates will be issued for the training program (379) and the main EQA scheme (362, subject to RiliBÄK-B3).

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

	Mar. (2)
Deadline for registration	12.01.18
Shipment	28.02.18
Deadline for receipt of data	16.03.18



1 set; 4 samples of 1.1 ml, lyophilised sera and plasma, respectively

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

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

	Dec. (6)
Deadline for registration	28.09.18
Shipment	14.11.18
Deadline for receipt of data	21.12.18



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

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

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	12.01.18	20.07.18
Shipment	28.02.18	05.09.18
Deadline for receipt of data	16.03.18	21.09.18



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

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

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

	June (4)	Nov. (6)
Deadline for registration	27.04.18	28.09.18
Shipment	13.06.18	14.11.18
Deadline for receipt of data	29.06.18	30.11.18



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

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

	June (4)	Nov. (6)
Deadline for registration	27.04.18	28.09.18
Shipment	13.06.18	14.11.18
Deadline for receipt of data	29.06.18	30.11.18

participation according to RiliBÄK:
half-yearly



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

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

participation according to RiliBÄK:
half-yearly

	Mar. (2)	June (4)	Sep. (5)	Nov. (6)
Deadline for registration	12.01.18	27.04.18	20.07.18	28.09.18
Shipment	28.02.18	13.06.18	05.09.18	14.11.18
Deadline for receipt of data	16.03.18	29.06.18	21.09.18	30.11.18



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

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 2016.

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

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	12.01.18
Shipment	28.02.18
Deadline for receipt of data	16.03.18

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

Please note: The samples can 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

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	28.09.18
Shipment	14.11.18
Deadline for receipt of data	21.12.18

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

Please note: The samples can 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

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

28.09.18

Shipment

14.11.18

Deadline for receipt of data

21.12.18



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

Polymerase chain reaction (PCR) and other nucleic acid amplification techniques (NAT) for HIV-2 (RNA)

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

27.04.18

28.09.18

Shipment

13.06.18

14.11.18

Deadline for receipt of data

29.06.18

30.11.18



2 sets of samples; 1 set = 5 samples of 1.1 ml, lyophilised cell culture lysates and biopsy materials, respectively

Polymerase chain reaction (PCR), other nucleic acid amplification techniques (NAT) and hybridization for HPV DNA with detection / differentiation of "high risk" and "low risk" types, and typing of "high risk" HPV and "low risk" HPV

Cooperation with:

Nationales Referenzzentrum für Papillom- und Polyomaviren, Institut für Virologie, Uniklinik Köln

**participation according to RiliBÄK:
half-yearly**

June (4)

Nov. (6)

Deadline for registration

27.04.18

28.09.18

Shipment

13.06.18

14.11.18

Deadline for receipt of data

29.06.18

30.11.18



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

Polymerase chain reaction (PCR) and other nucleic acid amplification techniques (NAT) for HRV RNA with the option for type differentiation

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	27.04.18	28.09.18
Shipment	13.06.18	14.11.18
Deadline for receipt of data	29.06.18	30.11.18



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

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

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	27.04.18	28.09.18
Shipment	13.06.18	14.11.18
Deadline for receipt of data	29.06.18	30.11.18



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

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.

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

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	12.01.18	28.09.18
Shipment	28.02.18	14.11.18
Deadline for receipt of data	16.03.18	30.11.18

participation according to RiliBÄK:
half-yearly



Please fill in page 2 of the order form for handling of infectious samples for EQAS unless you already returned your completed form 2 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

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

Cooperation with:
Nationales Referenzzentrum für Papillom- und Polyomaviren, Institut für Virologie, Uniklinik Köln

	Mar. (2)	Sep. (5)
Deadline for registration	12.01.18	20.07.18
Shipment	28.02.18	05.09.18
Deadline for receipt of data	16.03.18	21.09.18

2 sets of samples; 1 set = 4 samples, each on 1 sample disc (FTA card) with immobilized cell culture lysates

**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 with the option for genotyping

Cooperation with:
Nationales Referenzzentrum für Masern, Mumps, Röteln, Robert Koch-Institut, Berlin;
Institut für Virologie, Universität Leipzig

	June (4)	Nov. (6)
Deadline for registration	27.04.18	28.09.18
Shipment	13.06.18	14.11.18
Deadline for receipt of data	29.06.18	30.11.18

2 sets of samples; 1 set = 4 samples, each on 1 sample disc (FTA card) with immobilized cell culture lysates

**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 with the option of genotyping

Cooperation with:
Nationales Referenzzentrum für Masern, Mumps, Röteln, Robert Koch-Institut, Berlin;
Institut für Virologie, Universität Leipzig

	June (4)	Nov. (6)
Deadline for registration	27.04.18	28.09.18
Shipment	13.06.18	14.11.18
Deadline for receipt of data	29.06.18	30.11.18



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

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

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	12.01.18	28.09.18
Shipment	28.02.18	14.11.18
Deadline for receipt of data	16.03.18	30.11.18



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

Polymerase chain reaction (PCR) and other nucleic acid amplification techniques (NAT) for parainfluenza virus RNA with the option for subtype differentiation

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	12.01.18	20.07.18
Shipment	28.02.18	05.09.18
Deadline for receipt of data	16.03.18	21.09.18



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

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

	Mar. (2)	June (4)	Sep. (5)	Nov. (6)
Deadline for registration	12.01.18	27.04.18	20.07.18	28.09.18
Shipment	28.02.18	13.06.18	05.09.18	14.11.18
Deadline for receipt of data	16.03.18	29.06.18	21.09.18	30.11.18

participation according to RiliBÄK:
half-yearly



Please fill in page 2 of the order form for handling of infectious samples for EQAS unless you already returned your completed form 2 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

Antigen and genome detection of respiratory syncytial virus

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

participation according to RiliBÄK:
half-yearly

	June (4)	Nov. (6)
Deadline for registration	27.04.18	28.09.18
Shipment	13.06.18	14.11.18
Deadline for receipt of data	29.06.18	30.11.18



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

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

Cooperation with:
Nationales Konsiliarlabor für Rotaviren, Robert Koch-Institut, Berlin

	June (4)	Nov. (6)
Deadline for registration	27.04.18	28.09.18
Shipment	13.06.18	14.11.18
Deadline for receipt of data	29.06.18	30.11.18

2 sets of samples; 1 set = 4 samples, each on 1 sample disc (FTA card) with immobilized cell culture lysates

**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 rubella virus RNA with the option for genotyping

Cooperation with:
Nationales Referenzzentrum für Masern, Mumps, Röteln, Robert-Koch-Institut, Berlin;
Institut für Virologie, Universität Leipzig

	June (4)	Nov. (6)
Deadline for registration	27.04.18	28.09.18
Shipment	13.06.18	14.11.18
Deadline for receipt of data	29.06.18	30.11.18

390

Virus Genome Detection – Rabies Virus (Tollwutvirus)

Zeichhardt / Kammel

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

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

Cooperation with:
Nationales Konsiliarlaboratorium für Tollwut, Nationales Referenzzentrum für Hepatitis-C-Viren, Institut für Virologie, Universitätsklinikum Essen**Sep. (5)**

Deadline for registration	20.07.18
Shipment	05.09.18
Deadline for receipt of data	21.09.18

366

Virus Genome Detection – Varicella Zoster Virus

Zeichhardt / Kammel



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

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

participation according to RiliBÄK:
half-yearly**June (4)****Nov. (6)**

Deadline for registration	27.04.18	28.09.18
Shipment	13.06.18	14.11.18
Deadline for receipt of data	29.06.18	30.11.18

391

Virus Genome Detection – West Nile Virus

Zeichhardt / Kammel

2 sets of samples; 1 set = 6 samples of 1.1 ml, lyophilised plasma and cell culture lysate, respectively (inactivated)

Polymerase chain reaction (PCR) and other nucleic acid amplification techniques (NAT) for West Nile virus RNA with the option for lineage differentiation

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	12.01.18	20.07.18
Shipment	28.02.18	05.09.18
Deadline for receipt of data	16.03.18	21.09.18



Please fill in page 2 of the order form for handling of infectious samples for EQAS unless you already returned your completed form 2 to INSTAND e. V. when you registered for recent EQA schemes. Without your confirmation we cannot send you the EQAS samples.

403 Virus Genome Detection – Zika Virus

Zeichhardt / Kammel

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

Polymerase chain reaction (PCR) and other nucleic acid amplification techniques (NAT) for Zika virus RNA with the option for lineage differentiation

 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	12.01.18	20.07.18
Shipment	28.02.18	05.09.18
Deadline for receipt of data	16.03.18	21.09.18

402 Virus Immunology – Chikungunya Virus (Ab)

Zeichhardt / Kammel

4 samples of 0.3 ml, serum (inactivated in case of chikungunya virus RNA positive samples)

1.) Anti-CHIKV IgG 2.) Anti-CHIKV IgG – avidity 3.) Anti-CHIKV IgM

 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	20.07.18
Shipment	05.09.18
Deadline for receipt of data	21.09.18

351 Virus Immunology – Cytomegalovirus (Ab)

Zeichhardt / Kammel



2 samples of 0.5 ml, serum

1.) Anti-CMV IgG 2.) Anti-CMV IgG – avidity 3.) Anti-CMV IgM

	Mar. (2)	June (4)	Sep. (5)	Nov. (6)
Deadline for registration	12.01.18	27.04.18	20.07.18	28.09.18
Shipment	28.02.18	13.06.18	05.09.18	14.11.18
Deadline for receipt of data	16.03.18	29.06.18	21.09.18	30.11.18

⚠ Please fill in page 2 of the order form for handling of infectious samples for EQAS unless you already returned your completed form 2 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 Dengue virus RNA positive samples)

- | | | |
|-----------------------------|---------------------------|-------------------------|
| 1.) Anti-dengue virus IgG | 2.) Anti-dengue virus IgM | 3.) Dengue virus-NS1 Ag |
| 4.) Clinical interpretation | | |

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	12.01.18	20.07.18
Shipment	28.02.18	05.09.18
Deadline for receipt of data	16.03.18	21.09.18



2 samples of 0.6 ml, serum

- 1.) Antibodies against EBV with and without differentiation of antigen specificity (incl. avidity) and heterophilic antibodies
2.) Clinical interpretation

	June (4)	Nov. (6)
Deadline for registration	27.04.18	28.09.18
Shipment	13.06.18	14.11.18
Deadline for receipt of data	29.06.18	30.11.18



2 samples of 0.5 ml, serum

- | | |
|-----------------------------|---------------------------------------|
| 1.) Anti-TBE/FSME virus IgG | 2.) Anti-TBE/FSME virus IgG – avidity |
| 3.) Anti-TBE/FSME virus IgM | |

	June (4)	Nov. (6)
Deadline for registration	27.04.18	28.09.18
Shipment	13.06.18	14.11.18
Deadline for receipt of data	29.06.18	30.11.18

355 Virus Immunology – Hantaviruses (Ab)

Zeichhardt / Kammel

4 samples of 0.5 ml, serum (inactivated in case of Hantavirus RNA positive samples)

- 1.) Antibodies against hantaviruses (IgG and IgM) and differentiation of serotype specific antibodies
- 2.) Clinical interpretation

Cooperation with:
Nationales Konsiliarlabor für Hantaviren, Charité – Universitätsmedizin Berlin, Campus Mitte,
Institut für Virologie, Berlin

	Mar. (2)	Sep. (5)
Deadline for registration	12.01.18	20.07.18
Shipment	28.02.18	05.09.18
Deadline for receipt of data	16.03.18	21.09.18

343 Virus Immunology – Hepatitis A Virus (Ab)

Zeichhardt / Kammel



4 samples of 0.5 ml, serum

- 1.) Anti-HAV IgG
- 2.) Anti-HAV IgG (quantitative)
- 3.) Anti-HAV IgM

	Mar. (2)	June (4)	Sep. (5)	Nov. (6)
Deadline for registration	12.01.18	27.04.18	20.07.18	28.09.18
Shipment	28.02.18	13.06.18	05.09.18	14.11.18
Deadline for receipt of data	16.03.18	29.06.18	21.09.18	30.11.18

 participation according to RiliBÄK:
half-yearly

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

Zeichhardt / Kammel



12 samples of serum

- 1.) HBsAg (1 ml)
- 2.) Confirmation test HBsAg
- 3.) Anti-HBs (0.75 ml)
- 4.) Anti-HBc (0.75 ml)

	Mar. (2)	June (4)	Sep. (5)	Nov. (6)
Deadline for registration	12.01.18	27.04.18	20.07.18	28.09.18
Shipment	28.02.18	13.06.18	05.09.18	14.11.18
Deadline for receipt of data	16.03.18	29.06.18	21.09.18	30.11.18

 participation according to RiliBÄK:
half-yearly

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

Zeichhardt / Kammel



6 samples of 0.5 ml, serum

- 1.) Anti-HBc IgM
- 2.) HBeAg
- 3.) Anti-HBe

	Mar. (2)	June (4)	Sep. (5)	Nov. (6)
Deadline for registration	12.01.18	27.04.18	20.07.18	28.09.18
Shipment	28.02.18	13.06.18	05.09.18	14.11.18
Deadline for receipt of data	16.03.18	29.06.18	21.09.18	30.11.18

 participation according to RiliBÄK:
half-yearly

! Please fill in page 2 of the order form for handling of infectious samples for EQAS unless you already returned your completed form 2 to INSTAND e. V. when you registered for recent EQA schemes. Without your confirmation we cannot send you the EQAS samples.

346 Virus Immunology – Hepatitis C Virus (Ab and HCV Antigen)

Zeichhardt / Kammel



4 samples of 0.5 ml, serum and plasma, respectively

1.) Screening test anti-HCV 2.) HCV antigen 3.) Complementary test (blot) anti-HCV

 participation according to RiliBÄK:
half-yearly

	Mar. (2)	June (4)	Sep. (5)	Nov. (6)
Deadline for registration	12.01.18	27.04.18	20.07.18	28.09.18
Shipment	28.02.18	13.06.18	05.09.18	14.11.18
Deadline for receipt of data	16.03.18	29.06.18	21.09.18	30.11.18

347 Virus Immunology – Hepatitis D Virus (Ab)

Zeichhardt / Kammel



2 samples of 0.5 ml, serum and plasma, respectively

1.) Anti-HDV IgG 2.) Anti-HDV IgM

	June (4)	Nov. (6)
Deadline for registration	27.04.18	28.09.18
Shipment	13.06.18	14.11.18
Deadline for receipt of data	29.06.18	30.11.18

348 Virus Immunology – Hepatitis E Virus (Ab)

Zeichhardt / Kammel



2 samples of 0.4 ml, serum

1.) Anti-HEV IgG 2.) Anti-HEV IgM

	June (4)	Nov. (6)
Deadline for registration	27.04.18	28.09.18
Shipment	13.06.18	14.11.18
Deadline for receipt of data	29.06.18	30.11.18

354 Virus Immunology – Herpes Simplex Viruses (Ab)

Zeichhardt / Kammel



2 samples of 0.5 ml, serum

1.) Anti-HSV 1/2 IgG	2.) Anti-HSV 1/2 IgG – avidity	3.) Anti-HSV 1 IgG
4.) Anti-HSV 1 IgG – avidity	5.) Anti-HSV 2 IgG	6.) Anti-HSV 2 IgG – avidity
7.) Anti-HSV 1/2 IgM	8.) Anti-HSV 1 IgM	9.) Anti-HSV 2 IgM

	June (4)	Nov. (6)
Deadline for registration	27.04.18	28.09.18
Shipment	13.06.18	14.11.18
Deadline for receipt of data	29.06.18	30.11.18

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335 Virus Immunology – HIV-1/HIV-2 (Ab)

Zeichhardt / Kammel



4 samples of 0.75 ml, serum

1.) Screening test anti-HIV-1 / anti-HIV-2 (human immunodeficiency virus type 1 and type 2) (3rd and 4th generation)

2.) Confirmation test (blot and other confirmatory test) anti-HIV-1 / anti-HIV-2

3.) Confirmation test (blot and other confirmatory test) anti-HIV-1

4.) Confirmation test (blot and other confirmatory test) anti-HIV-2

 participation according to RiliBÄK:
half-yearly

	Mar. (2)	June (4)	Sep. (5)	Nov. (6)
Deadline for registration	12.01.18	27.04.18	20.07.18	28.09.18
Shipment	28.02.18	13.06.18	05.09.18	14.11.18
Deadline for receipt of data	16.03.18	29.06.18	21.09.18	30.11.18

337 Virus Immunology – HIV-1 p24 Antigen

Zeichhardt / Kammel



2 samples of 0.75 ml, serum

1.) p24 core antigen of HIV-1 (human immunodeficiency virus type 1) for tests for exclusive detection of p24 core antigen and screening tests for anti-HIV-1 / anti-HIV-2 (4th generation)

 participation according to RiliBÄK:
half-yearly

	Mar. (2)	June (4)	Sep. (5)	Nov. (6)
Deadline for registration	12.01.18	27.04.18	20.07.18	28.09.18
Shipment	28.02.18	13.06.18	05.09.18	14.11.18
Deadline for receipt of data	16.03.18	29.06.18	21.09.18	30.11.18

339 Virus Immunology – HTLV-1/HTLV-2 (Ab)

Zeichhardt / Kammel



4 samples of 0.5 ml, serum and plasma, respectively

1.) Screening test anti-HTLV-1 / anti-HTLV-2 (human T-lymphotropic virus type 1 and type 2) without differentiation of type specific antibodies

2.) Confirmation test (blot) anti-HTLV-1 / anti-HTLV-2 with differentiation of type specific antibodies

 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	27.04.18	28.09.18
Shipment	13.06.18	14.11.18
Deadline for receipt of data	29.06.18	30.11.18

! Please fill in page 2 of the order form for handling of infectious samples for EQAS unless you already returned your completed form 2 to INSTAND e. V. when you registered for recent EQA schemes. Without your confirmation we cannot send you the EQAS samples.

357

Virus Immunology – Measles Virus (Ab)

Zeichhardt / Kammel



2 samples of 0.5 ml, serum

1.) Anti-measles virus IgG

2.) Anti-measles virus IgG – avidity

3.) Anti-measles virus IgM

June (4)**Nov. (6)**

Deadline for registration

27.04.18

28.09.18

Shipment

13.06.18

14.11.18

Deadline for receipt of data

29.06.18

30.11.18

356

Virus Immunology – Mumps Virus (Ab)

Zeichhardt / Kammel



2 samples of 0.5 ml, serum

1.) Anti-mumps virus IgG

2.) Anti-mumps virus IgG – avidity

3.) Anti-mumps virus IgM

June (4)**Nov. (6)**

Deadline for registration

27.04.18

28.09.18

Shipment

13.06.18

14.11.18

Deadline for receipt of data

29.06.18

30.11.18

342

Virus Immunology – Parvovirus B19 (Ab)

Zeichhardt / Kammel



4 samples of 0.5 ml, serum and plasma, respectively

1.) Anti-parvovirus B19 IgG

2.) Anti-parvovirus B19 IgG – avidity

3.) Anti-parvovirus B19 IgM

June (4)**Nov. (6)**

Deadline for registration

27.04.18

28.09.18

Shipment

13.06.18

14.11.18

Deadline for receipt of data

29.06.18

30.11.18

341

Virus Immunology – Rubella Virus (Ab)

Zeichhardt / Kammel



2 samples of 0.8 ml, serum

1.) Anti-rubella virus IgG

2.) Anti-rubella virus IgG – avidity

3.) Anti-rubella virus IgM

June (4)**Nov. (6)**

Deadline for registration

27.04.18

28.09.18

Shipment

13.06.18

14.11.18

Deadline for receipt of data

29.06.18

30.11.18

participation according to RiliBÄK:
half-yearly

Please fill in page 2 of the order form for handling of infectious samples for EQAS unless you already returned your completed form 2 to INSTAND e. V. when you registered for recent EQA schemes. Without your confirmation we cannot send you the EQAS samples.

2 samples of 0.5 ml, serum and plasma, respectively (vaccinee)

Anti-rabies virus

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

Sep. (5)

Deadline for registration
Shipment
Deadline for receipt of data

20.07.18
05.09.18
21.09.18



2 samples of 0.5 ml, serum

1.) Anti-VZV IgG

2.) Anti-VZV IgG – avidity

3.) Anti-VZV IgM

June (4)**Nov. (6)**

Deadline for registration
Shipment
Deadline for receipt of data

27.04.18 28.09.18
13.06.18 14.11.18
29.06.18 30.11.18

3 samples of 0.3 ml, serum (inactivated in case of Zika virus RNA positive samples)

1.) Anti-ZIKV IgG

2.) Anti-ZIKV IgG – avidity

3.) Anti-ZIKV IgM

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

Mar. (2)**Sep. (5)**

Deadline for registration
Shipment
Deadline for receipt of data

12.01.18 20.07.18
28.02.18 05.09.18
16.03.18 21.09.18

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).

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 140€ an.

Shipment only to German-speaking countries!

additional sample not available

	May (2)	Oct. (5)
Deadline for registration	02.03.18	24.08.18
Shipment	21.03.18	12.09.18
Deadline for receipt of data	02.05.18	24.10.18

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).

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 140€ an.

Shipment only to German-speaking countries!

additional sample not available

	May (2)	Oct. (5)
Deadline for registration	02.03.18	24.08.18
Shipment	21.03.18	12.09.18
Deadline for receipt of data	02.05.18	24.10.18

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).

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 140€ an.

Shipment only to German-speaking countries!

additional sample not available

	May (2)	Oct. (5)
Deadline for registration	02.03.18	24.08.18
Shipment	21.03.18	12.09.18
Deadline for receipt of data	02.05.18	24.10.18

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

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 140€ an.

additional sample not available

Shipment only to German-speaking countries!

	May (2)	Oct. (5)
Deadline for registration	02.03.18	24.08.18
Shipment	21.03.18	12.09.18
Deadline for receipt of data	02.05.18	24.10.18

No distribution of samples!

Training course and test at the universities Ulm (July 14th, 2017) and Dresden (September 28th, 2017)

A separate mandatory registration is needed.

Form available from the INSTAND e.V. homepage <http://www.instand-ev.de>.

The course is held in German.

	July (4)	Sep. (5)
Deadline for registration	02.06.18	11.08.18
Deadline for receipt of data	14.07.18	28.09.18

INSTAND e. V. offers **training courses** named Web-based external quality controls (WQ). These are web-based lessons using virtual samples such as photos or digital slides which can be microscoped online and include relevant additional questions pertinent to clinical interpretation. All questions contain comments from an expert committee in order to increase the learning effect. In case of passing a certificate of successful attendance, otherwise confirmation of attendance will be issued.

- The WQs already established, covering Urine Sediment (902) and Preanalytics (901) will be continued in 2018 (2 x per year): 901 March and September, 902 June and November.
- Newly established will be a WQ Preanalytics for doctor's assistants (1 x per year), which has been successfully piloted in the last two years.

WQs are carried out in German only and outside the regular shipments. In case of interest please mark No. 900 on the order form. We will also inform/invite you via email.

Training Courses are not mandatory and do not replace EQAS!

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