



INSTAND

INSTAND e.V.
Society for Promoting
Quality Assurance
in Medical Laboratories



EQAS CATALOG 2025

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

Ublerstr. 20
40223 Düsseldorf, Germany

Postfach 25 02 11
40093 Düsseldorf, Germany

T +49 [0] 211 1592 13-0
E instand@instand-ev.de
I www.instand-ev.de

Version: 08.2024

Dear Colleagues,

INSTAND e.V., the Society for promoting Quality Assurance in Medical Laboratories e.V., has been conducting External Quality Assessment Schemes in all areas of in-vitro diagnostics since 1970.

As an External Quality Assessment organization, we are accredited according to DIN EN ISO/IEC 17043. We offer nearly 400 External Quality Assessment (EQA) schemes/Proficiency Tests (PT) for external quality control in laboratory diagnostics, in accordance with the current version of the German Medical Association (Rili-BÄK) guidelines. For this purpose, we ship around 165,000 sample sets annually to approximately 12,000 participating laboratories in nearly 80 countries.

We have optimized our **2025 INSTAND EQA Scheme Program** to meet the highest quality standards. Our new features at a glance:

- In **Clinical Chemistry** in the field of urine diagnostics, the parameters aminolaevulinic acid and porphobilinogen are no longer in group 178 but in the new group 180.
- In the field of **Haematology**, the EQA schemes 820 - CLL-MRD Immunophenotyping; 821 - Plasma Cell Neoplasia-MRD Immunophenotyping and 822 - CAR-T-Cells are new to the program.
- The **Microbiology** program in the field of bacterial genome detection was expanded with the EQA scheme 548 - Bacterial Genome Detection - Multiplex Tests - PCR/NAT for Gastrointestinal Pathogens.
- The **Immunology** range has been expanded with three new EQA schemes: 654 - Granulocyte Function (Oxidative Burst), 655 - Granulocyte Function (Phagocytosis Test), 656 - Lymphocyte Transformation Test (LTT).
- As of 2025, we will offer native whole blood samples for the measurand glucose in the EQA scheme 800 for **Point-Of-Care Testing (POCT)**.
- The current EQA scheme Program is available in our **RV-Online System** and our **Website**.

We are excited to continue our excellent and pleasant cooperation with you.



Your INSTAND Team



Prof. Dr. med.
Michael Spannagl
President of the Board



Prof. Dr. rer. nat.
Ingo Schellenberg
Vice President
of the Board



Prof. Dr. med.
Klaus-Peter Hunfeld
Vice President
of the Board

SAVE
THE
DATE



IGLD-INSTAND-Jahrestagung
06. – 08. März 2025
Kap Europa. Messe Frankfurt.



Weitere Informationen und Anmeldeformular ab Herbst 2024 auf www.igld.de

Our calibration laboratory is accredited according to DIN EN ISO/IEC 17025:2018 and DIN EN ISO 15195:2019. We use internationally recognized calibration methods for the metrological traceability of measurement results for measurands in the field of laboratory medicine to SI units. In line with the requirements of the Rili-BÄK, target values in serum, plasma, whole blood, urine, and cerebrospinal fluid are determined in our laboratory as an evaluation standard in EQAS at the level of accuracy. In addition, we also offer our expertise in determining target values as a calibration service for the certification of control and calibration materials for external customers. Our calibration procedures and services are listed in the Joint Committee for Traceability in Laboratory Medicine (JCTLM) database.

Measurand	Sample Type	Range		Measuring Method	U ^a
Substrates/Metabolites:					
Cholesterol	Serum/Plasma	1-10	mmol/l	GC-IDMS	1.0%
Glucose	Serum/Plasma	1-60	mmol/l	GC-IDMS	1.0%
	Urine/Liquor	0.5-60	mmol/l		1.0%
Uric acid	Serum/Plasma	50-1000	μmol/l	GC-IDMS	1.0%
	Urine	20-2500	μmol/l		1.0%
Urea	Serum/Plasma	0.5-50	mmol/l	GC-IDMS	1.0%
	Urine	0.5-500	mmol/l		1.0%
Creatinine	Serum/Plasma	25-2000	μmol/l	GC-IDMS	1.0%
	Urine	0.05-40	mmol/l		1.0%
Total glycerol	Serum/Plasma	0.5-6	mmol/l	GC-IDMS	1.0%
Hormones:					
Cortisol	Serum/Plasma	30-2000	nmol/l	GC-IDMS	1.0%
Estradiol-17β	Serum/Plasma	37-2500	pmol/l	GC-IDMS	1.0%
Progesterone	Serum/Plasma	0.5-150	nmol/l	GC-IDMS	1.0%
Testosterone	Serum/Plasma	0.7-69	nmol/l	GC-IDMS	1.5%
Thyroxine	Serum/Plasma	6.4-283	nmol/l	GC-IDMS	1.0%
Ions:					
Calcium	Serum/Plasma	0.5-8	mmol/l	ICP-IDMS	1.0%
Chloride	Serum/Plasma	50-150	mmol/l	ICP-IDMS	1.0%
Potassium	Serum/Plasma	1-10	mmol/l	ICP-IDMS	1.0%
	Urine	1-200	mmol/l		1.0%
Lithium	Serum/Plasma	0.1-5	mmol/l	ICP-IDMS	1.0%
Magnesium	Serum/Plasma	0.1-5	mmol/l	ICP-IDMS	1.0%
Sodium	Serum/Plasma	70-200	mmol/l	ICP-MS	1.0%
	Urine	20-300	mmol/l		1.0%
Enzymes:					
Alanine aminotransferase (ALAT)	Serum/Plasma	0.33-6.67	μkat/l	Kinetic spectrophotometry	2.5%
Aspartate aminotransferase (ASAT)	Serum/Plasma	0.33-6.67	μkat/l		2.5%
Creatine kinase (CK)	Serum/Plasma	0.8-24	μkat/l		2.5%
γ-Glutamyl transferase (GGT)	Serum/Plasma	0.33-5	μkat/l		2.5%
Lactate dehydrogenase (LDH)	Serum/Plasma	1-12	μkat/l		2.5%
Glycated Proteins:					
HbA1c	Blood/Hemolysate	29-150	mmol/mol Hb	LC-MS	1.5%
Proteins:					
Total hemoglobin	Blood/Hemolysate	20-200	g/l	Spectrophotometry	1.1%
Total protein	Serum/Plasma	25-130	g/l		1.5%
Drugs:					
Digitoxin	Serum/Plasma	1-100	nmol/l	LC-IDMS	2.5%
Digoxin	Serum/Plasma	0.2-20	nmol/l	LC-IDMS	2.5%
Theophylline	Serum/Plasma	5-500	μmol/l	GC-IDMS	1.0%

^a best measurement capability

INSTAND e.V.'s mission and vision

We promote quality in medical laboratories by offering a wide range of external quality control and continuous education.

Our vision is to improve the reliability of measurement results in medical laboratories worldwide.

In the Federal Republic of Germany, INSTAND e.V. is appointed by the German Medical Association as a reference institution for external quality assurance.

Accreditation

INSTAND e.V.'s versatile EQA program is accredited in all represented disciplines of laboratory diagnostics by the German Accreditation Body (DAkKS) according to DIN EN ISO/IEC 17043:2010.

Terms and conditions, FAQ

Our "General Terms and Conditions for Participation in INSTAND e.V. EQA Schemes" shall apply to all participants of the INSTAND e.V. EQA schemes.

These terms and conditions can be found at:
<https://instand-ev.de/instand-agb>

We would also be happy to send them to you upon request.

We have compiled answers to frequently asked questions in our FAQ:

<https://instand-ev.de/faq>

Scope of services

An EQA scheme includes the sample material, which is used to determine the measurement values by the participant, as well as a evaluation by INSTAND e.V. of the submitted EQAS results.

After evaluating the EQAS, participants who have submitted their results on time will receive an individual report, a general overview where applicable, a certificate of participation, and a certificate if they have passed.

In the event the EQAS is not passed, residual samples may be available after completion of the respective EQAS for a fee so you can check your test systems.

Information about the RV-Online Portal

A user account for our RV-Online system is required to participate in INSTAND e.V. EQA schemes:

<https://rv-online.instandev.de>

After signing into RV-Online, you will be able to manage your master data and orders, as well as enter your EQAS results, view reports and retrieve your certificates. On our new YouTube channel you will soon find in-depth videos that explain the various features of RV-Online in English and German.

EQA schemes required/not required by Rili-BÄK

The EQA schemes in orange in the table of contents contain analytes that require participation in accordance with the guideline of the German Medical Association on Quality Assurance in Medical Laboratory Examinations <https://bundesaeztekammer.de/>.

This orange labeling of the analytes required by Rili-BÄK is also found in the descriptions of the EQA schemes.

Validity of certificates

Certificates are dated with the closing date of the EQA scheme.

Certificates for parameters which must undergo an EQAS are valid for twice as long as the mandatory EQAS interval. Certificates for parameters which are not subject to an EQAS in accordance with Rili-BÄK are usually valid for 12 months.

Registration / cancellation deadlines

Orders can be changed or cancelled up until the respective registration/cancellation deadline. After the registration/cancellation deadline, it is no longer possible to change the order.

Shipment date

On the day of shipment, the packages will be picked up by the shipping service provider of our choice.

Before every delivery, our shipping service provider will send a tracking number by e-mail. This e-mail is always sent to the main user registered with RV-Online.

If you do not receive the samples by the day after the shipment date, please contact our customer service immediately.

Submission deadlines

EQAS results must be entered by midnight CET on the closing date. After the closing date, it is no longer possible to correct or change the values.

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Samples: 2 samples of 5 ml
 Sample properties: Lyophilised serum
 Shipping Information: Shipping at ambient temperature
 Certificate Validity: 6 months / 12 months

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

participation according to Rili-BÄK:
quarterly

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	Jan. (1)	Mar. (2)	May (3)	July (4)	Aug. (5)	Oct. (6)
Registration deadline:	15.11.24	27.12.24	28.02.25	25.04.25	13.06.25	08.08.25
Sample Shipment:	14.01.25	25.02.25	29.04.25	24.06.25	12.08.25	07.10.25
Closing Date:	31.01.25	14.03.25	16.05.25	11.07.25	29.08.25	24.10.25

Depending on the EQA scheme, further specific information may be available: i.e. infectious materials, suitable measuring devices, etc.

EQA schemes containing infectious material according to UN3373, biological substances category B, will be marked with the following symbol: ⓘ

1. Name of the EQA scheme
2. EQAS expert/deputy
3. EQAS group number
4. Information on the shipped sample material as well as how long the certificate is valid for.
Orange: for parameters required by Rili-BÄK, black: for parameters not required by Rili-BÄK.
5. Parameters analyzed in the EQAS; parameters in orange required by Rili-BÄK.
6. List of the relevant dates, subdivided into EQAS dates (1 - 6). The month of the EQAS is always in reference to the closing date. The number of available EQAS dates may vary.
7. Information about the frequency stipulated by Rili-BÄK.

Changes in schedule

New schemes in our program

326 Infection Serology - Bartonella Antibodies

180 Urine Chemistry 06 (Aminolaevulinic acid / Porphobilinogen)

548 Bacterial Genome Detection - PCR/NAT multiplex detection method for gastrointestinal pathogens

654 Granulocyte Function (Oxidative Burst)

655 Granulocyte Function (Phagocytosis Test)

656 Lymphocyte Transformation Test (LTT)

820 CLL-MRD Immunophenotyping

821 Plasma Cell Neoplasia-MRD Immunophenotyping

822 CD19 - CAR-T-Cells (quantitative)

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Molecular Genetics 04 - MTHFR C677T (optional: A1298C)	732	31
Molecular Genetics 05 - PAI-1 (4G/5G)	735	31
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Molecular Genetics 13 - Fibrinogen Receptor HPA 1a/1b	749	34
Molecular Genetics 14 - HFE: H63D, C282Y (optional S65C)	741	34
Molecular Genetics 15 - Collagen Receptor C807T	739	35
Molecular Genetics 16 - MTHFR C677T (optional A1298C)	747	35
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List of Rili BÄK parameters offered by INSTAND 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.
Activated partial thromboplastin time (aPTT)	Quarterly	221, 285, 286
Alanine aminotransferase (ALT or GPT) EC 2.6.1.2	Quarterly	100, 810
Albumin	Quarterly	100, 141, 810
Alkaline phosphatase (AP) EC 3.1.3.1	Quarterly	100, 810
Alpha fetoprotein (AFP)	Quarterly	292, 306
Apolipoprotein A1, Apolipoprotein B	Quarterly	151
Aspartate aminotransferase (AST or GOT) EC 2.6.1.1	Quarterly	100, 810
Bilirubin (total)	Quarterly	100, 110, 810
CA 15-3	Quarterly	292
Calcium (total)	Quarterly	100, 810
Calcium (ionised)	Quarterly	161, 163
Carbamazepine	Quarterly	195
Carcino embryonic antigen (CEA)	Quarterly	292
Chloride	Quarterly	100, 161, 163, 810
Cholesterol (total)	Quarterly	100, 151, 810
Cortisol	Quarterly	302
Creatine kinase (CK) EC 2.7.3.2	Quarterly	100, 810
C-reactive protein (CRP)	Quarterly	241, 322
Digitoxin	Quarterly	197
Erythrocytes	Quarterly	211, 612
Estradiol, 17-beta	Quarterly	302
Ethanol clinical toxicology	Quarterly	700
Ferritin	Quarterly	241
FSH	Quarterly	297
Gamma glutamyl transferase (?-GT) EC 2.3.2.2	Quarterly	100, 810
Glucose	Quarterly	100, 111, 161, 800, 810
Haematocrit	Quarterly	209, 211, 612
Haemoglobin	Quarterly	162, 163, 209, 211, 612
Haemoglobin A 1c (HbA1c)	Quarterly	145
Uric acid	Quarterly	100, 810
Urea	Quarterly	100, 161, 163, 810
Human chorionic gonadotropin (hCG)	Quarterly	292, 306
Immunoglobulin IgA	Quarterly	100, 241
Immunoglobulin IgG	Quarterly	100, 241
Immunoglobulin IgM	Quarterly	100, 241
Potassium	Quarterly	100, 161, 163, 810
Creatinine	Quarterly	100, 161, 810
Lactate	Quarterly	100, 161, 163, 810
Lactate dehydrogenase (LDH) EC 1.1.1.27	Quarterly	100, 810
Leucocytes	Quarterly	209, 211, 612
Lithium	Quarterly	100, 161, 195
Magnesium	Quarterly	100, 161, 810
Sodium	Quarterly	100, 161, 163, 810
pCO ₂	Quarterly	161, 163
pH	Quarterly	161, 163
Phenobarbital	Quarterly	195
Phenytoin	Quarterly	195
Phosphate (inorganic)	Quarterly	100, 810
pO ₂	Quarterly	161, 163
Progesterone	Quarterly	302
Prostate-specific antigen (PSA)	Quarterly	292, 293
Protein (total)	Quarterly	100, 141, 810

>>

List of Rili BÄK parameters offered by INSTAND 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	Quarterly	293, 302
Theophylline	Quarterly	195
Thromboplastin time (Quick)	Quarterly	221, 285, 286
Thrombocytes	Quarterly	209, 211, 612
Thyrotropic hormone (TSH)	Quarterly	294, 302
Thyroxine, free (fT4)	Quarterly	294, 302
Transferrin	Quarterly	100, 241
Triglycerides	Quarterly	100, 151, 810
Triiodothyronine, free (fT3)	Quarterly	294, 302
Troponin I	Quarterly	760
Valproic acid	Quarterly	195
Vancomycin	Quarterly	197

B 1b Analytes in Urine Frequency Group no.

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

B 1c Analytes in Cerebrospinal Fluid Frequency Group no.

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

B 1d Analytes in dry blood Frequency Group no.

17-Hydroxyprogesterone	Quarterly	785
IRT	Quarterly	785
PAP	Quarterly	785
TSH	Quarterly	785

B 2 Qualitative laboratory testing Frequency Group no.

ABO characteristics	Quarterly	231, 232, 237, 238
Borrelia burgdorferi, antibodies against (in serum)	Biannually	332
Borrelia burgdorferi, antibodies against (in CSF)	Biannually	465
Candida albicans, antibodies against	Biannually	480
Cannabinoids	Quarterly	177
CD4-T cells	Biannually	213
CD8-T cells	Biannually	213
Chromatographic analysis with identification of the active substance (STA)	Biannually	188

>>

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

B 2	Qualitative laboratory testing	Frequency	Group no.
>>			
	Cocaine and metabolites	Quarterly	174
	Differential, blood smear	Quarterly	212
	Direct Coombs test	Quarterly	231, 232, 237, 238
	dsDNA, autoantibodies against	Biannually	251
	Echinococcus, antibodies against	Annually	455
	Entamoeba histolytica, antibodies against	Annually	455
	Erythrocyte antigens, antibodies against (Coombs test)	Quarterly	231, 232, 237, 238
	Glutaminase, antibodies against	Biannually	271
	HBc antigen, antibodies against	Biannually	344
	HBe antigen, antibodies against	Biannually	345
	HBs antigen, antibodies against	Biannually	344
	Hepatitis-A virus, antibodies against	Biannually	343
	Hepatitis-C virus, antibodies against	Biannually	346
	HIV, antibodies against	Biannually	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	Biannually	720
	Immunoglobulin, oligoclonal (oligoclonal bands)	Biannually	462
	Nuclei (ANA) autoantibodies against	Biannually	251
		Biannually	357
	Methadone and metabolites	Quarterly	176
		Biannually	356
	Opiates	Quarterly	174
	Plasmodium, antibodies against	Annually	454
	Rhesus type	Quarterly	231, 232, 237, 238
	Rheumatoid factor (RF)	Quarterly	273, 323
	Rubella virus, antibodies against	Biannually	341
	Schistosoma, antibodies against	Annually	454
	Streptococci desoxyribonuclease, antibodies against	Biannually	321
	Streptolysin O, antibodies against	Biannually	321
	Toxoplasmosis gondii, antibodies	Biannually	452
	Treponema pallidum, antibodies against	Biannually	311
	Tricyclic antidepressants	Quarterly	203, 204
	Urine sediment	Annually	172
		Biannually	353
	Cytoplasmatic components of neutrophil granulocytes (cANCA/pANCA), autoantibodies against	Biannually	257

Direct detection and characterisation
of infectious agents

Frequency

Group no.

Bacteria

Gram stain	Biannually	413
Cultivation, identification and sensitivity testing of bacteria	Biannually	411, 412
Cultivation, identification and sensitivity testing of fast-growing bacteria and detection of accompanying bacterial flora of the urogenital system	Biannually	411, 412
Bordetella pertussis, genome detection	Biannually	532
Borrelia burgdorferi sensu lato, genome detection	Biannually	535
Chlamydia pneumoniae, genome detection	Biannually	540
Chlamydia trachomatis, antigen detection	Biannually	313, 316
Chlamydia trachomatis, genome detection	Biannually	530, 531
Clostridium difficile (Toxin Gene), genome detection	Biannually	545
EHEC/STEC (Shiga toxin), genome detection	Biannually	534
Helicobacter pylori, genome detection	Biannually	533
Legionella pneumophila, genome detection	Biannually	536
Listeria monocytogenes, genome detection	Biannually	538
Methicillin resistance Staphylococcus aureus (MRSA), genome detection	Biannually	539
Mycoplasma pneumoniae, genome detection	Biannually	541
Neisseria gonorrhoeae, genome detection	Biannually	530
Salmonella enterica, genome detection	Biannually	537
Coxiella burnetii, genome detection	Biannually	542
Francisella tularensis, genome detection	Biannually	543

Mycobacteria

Microscopic detection of mycobacteria	Biannually	421
Cultivation of mycobacteria	Biannually	422
Differentiation of tuberculosis bacteria	Biannually	422
Sensitivity test of tuberculosis bacteria	Biannually	425, 426
Identification of mycobacteria	Biannually	423
Tuberculosis bacteria, genome detection	Biannually	424

Parasites

Parasites		
Parasites in the blood, microscopic detection	Biannually	456
Parasites in the stool, microscopic detection	Biannually	451
Toxoplasma gondii, genome detection	Biannually	457

Dermatophytes

Cultivation and identification of yeasts and hyphomycetes	Biannually	490
Identification of dermatophytes, yeasts and moulds (pathogens of dermatomycoses and mucosal yeast infections)	Biannually	491
Candida, antigen detection	Biannually	480
Cryptococcus neoformans, antigen detection	Biannually	481
		>>
Genome Detection of Dermatophytes*	Biannually	492

*EQA scheme participation will be mandatory as of 11/25/2024.

B 3

Direct detection and characterisation
of infectious agents

Frequency

Group no.

>>

Viruses

Adeno viruses, genome detection	Biannually	371
Cytomegalovirus, genome detection	Biannually	365
Enteroviruses, genome detection	Biannually	372
Epstein Barr virus, genome detection	Biannually	376
Hepatitis A virus, genome detection	Biannually	377
Hepatitis B virus, genome detection	Biannually	361
Hepatitis B virus, HBs antigen detection	Biannually	344
Hepatitis B virus, HBe antigen detection	Biannually	345
Hepatitis C virus, genome detection	Biannually	362
Hepatitis C virus genotyping, genome detection	Biannually	375
Hepatitis C virus, HCV antigen detection	Biannually	346
Hepatitis E Virus, genome detection	Biannually	380
Herpes simplex virus type 1/type 2, genome detection	Biannually	363
HIV 1 (RNA), genome detection	Biannually	360
HIV 1, p24 antigen detection	Biannually	337
Human papilloma viruses, genome detection	Biannually	373
Influenza-A- and -B viruses, genome detection	Biannually	370
Influenza-A- and -B viruses, antigen detection	Biannually	370
Measles Virus, genome detection	Biannually	386
Mumps Virus, genome detection	Biannually	387
Norovirus, genome detection	Biannually	381
Parvovirus B19, genome detection	Biannually	367
Respiratory syncytial virus, genome detection	Biannually	359
Respiratory syncytial virus, antigen detection	Biannually	359
Rubella Virus, genome detection	Biannually	389
SARS CoV-2 Genome Detection*	Biannually	340, 409
Varicella zoster virus, genome detection	Biannually	366
West Nile Virus, genome detection	Biannually	391

*EQA scheme participation will be mandatory as of 11/25/2024.

Analysis	Frequency	Group no.
Alpha1-Antitrypsin	Biannually	743
Apolipoprotein E	Biannually	734, 744
Angiotensin Converting Enzym Apolipoprotein**	Biannually	763
Antithrombin**	Biannually	792
BRAF**	Biannually	795
C-C motif chemokine receptor 5**	Biannually	764
Dihydropyrimidin Dehydrogenase**	Biannually	762
Factor V (Leiden)	Biannually	730, 740
Hereditary haemochromatosis	Biannually	733, 741
HLA-B*57:01**	Biannually	444
HLA-B27	Biannually	440
JAK2**	Biannually	768
KRAS**	Biannually	776
KIT**	Biannually	767
Methylenetetrahydrofolate reductase	Biannually	732, 747
Plasminogen activator inhibitor I	Biannually	735, 748
Prothrombin	Biannually	731, 746
TP53	Biannually	765, 798
Uridyl glucuronyl transferase-1A	Biannually	742
Wilson's disease	Annually	745

Engraftment- and chimerism diagnostics

Engraftment- and Chimerism Diagnostics

Reibke / Dick / Spannagl

618

Samples: 5 samples

Sample properties: Whole blood samples, donor, patient pre-and post-transplant per appointment

Shipping Information: Shipping at ambient temperature

Certificate Validity: 24 months

additional sample set not available

Chimerism diagnostics after stem cell transplantation

Evaluation and diagnosis Receiver

Annual fee: 256 € – Only annual subscription possible!

EQA results can only be submitted online!

Successful participation in both EQAS rounds is necessary for the award of a certificate (10 samples per year).

Due to longer shipment times, labs using FISH-Analyses, cannot participate in this EQA.

	May (3)	Oct. (6)
Registration deadline:	28.02.25	15.08.25
Sample Shipment:	29.04.25	14.10.25
Closing Date:	16.05.25	31.10.25

Immunogenetics

HLA Diagnostics 01 – HLA-B27 Determination

Lachmann / Zaralioglu

440

Samples: 5 blood samples

Sample properties: EDTA whole blood samples, 2-3 ml each

Shipping Information: Shipping at ambient temperature

Certificate Validity: 12 months

additional sample set not available

participation according to Rili-BÄK:
bi-annual

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

	Feb. (1)	Apr. (3)	Aug. (4)	Nov. (6)
Registration deadline:	15.11.24	24.01.25	16.05.25	05.09.25
Sample Shipment:	13.01.25	24.03.25	14.07.25	03.11.25
Closing Date:	07.02.25	18.04.25	08.08.25	28.11.25

Samples: 5 samples

Sample properties: Platelet-depleted ACD whole blood samples, approx. 8 ml each

Shipping Information: Shipping at ambient temperature

Certificate Validity: 12 months

additional sample set not available

HLA Typing of serological equivalents of class I (HLA A, B) and/or HLA class II (HLA-DR, DQ) by serological and/or molecular means on the level of serological equivalents. It is not possible to report individual antigens, e.g. in the context of HLA disease associations (HLA-A29, HLA-B51, etc.).

	Feb. (1)	Apr. (3)	Aug. (4)	Nov. (6)
Registration deadline:	15.11.24	24.01.25	16.05.25	05.09.25
Sample Shipment:	13.01.25	24.03.25	14.07.25	03.11.25
Closing Date:	07.02.25	18.04.25	08.08.25	28.11.25

HLA Diagnostics 03 – Low resolution, molecular HLA typing class I and II

Samples: 5 samples

Sample properties: ACD whole blood samples, approx. 5-7ml each

Shipping Information: Shipping at ambient temperature

Certificate Validity: 12 months

additional sample set not available

Molecular HLA typing class I and II in low resolution (1-field). The following loci may be reported: HLA-A,-B,-C,-DRB1,-DRB3/4/5,-DQA1,-DQB1,-DPA1 and -DPB1. It is not possible to report individual antigens, e.g. in the context of HLA disease associations (HLA-A29, HLA-B51, etc.).

	Feb. (1)	Apr. (3)	Aug. (4)	Nov. (6)
Registration deadline:	15.11.24	24.01.25	16.05.25	05.09.25
Sample Shipment:	13.01.25	24.03.25	14.07.25	03.11.25
Closing Date:	07.02.25	18.04.25	08.08.25	28.11.25

HLA Diagnostics 04 – HLA Crossmatching

Samples: 1 serum set (20 Sera à 100 µ and 2x ACD blood à 8 ml)

Sample properties: Human serum and platelet-depleted ACD whole blood

Shipping Information: Shipping at ambient temperature

Certificate Validity: 12 months

additional sample set not available

HLA crossmatching

	Apr. (3)
Registration deadline:	17.01.25
Sample Shipment:	17.03.25
Closing Date:	18.04.25

Samples: 5 samples

Sample properties: Leukocyte suspension (buffy coat), 1-1,5 ml each

Shipping Information: Shipping at ambient temperature

Certificate Validity: 12 months / 12 months

additional sample set not available

participation according to Rili-BÄK:
bi-annual

(grace period: 30. May 2026)

Molecular HLA typing class I and II in high resolution according to standards of the European Federation for Immunogenetics (EFI). The following loci may be reported: HLA-A,-B,-C,-DRB1,-DRB3/4/5,-DQA1,-DQB1,-DPA1 and -DPB1. In addition, HLA-B*57:01 associated with Abacavir hypersensitivity and HLA-DR epitopes associated with rheumatoid arthritis may be reported. It is not possible to report individual antigens, e.g. in the context of HLA disease associations (HLA-A29, HLA-B51, etc.).

	Feb. (1)	Apr. (3)	Aug. (4)	Nov. (6)
Registration deadline:	15.11.24	24.01.25	16.05.25	05.09.25
Sample Shipment:	13.01.25	24.03.25	14.07.25	03.11.25
Closing Date:	07.02.25	18.04.25	08.08.25	28.11.25

HLA Diagnostics 06 – HLA Antibody Screening and Identification

Lachmann / Zaralioglu

445

Samples: 5 samples

Sample properties: Human serum, 1 ml each

Shipping Information: Shipping at ambient temperature

Certificate Validity: 12 months

Maximum order: 2 sets of samples

HLA antibody determination: HLA antibody screening by complement-dependent cytotoxicity test (CDC) and/or with solid phase immunoassays, antibody identification by CDC and/or antibody identification by solid phase immunoassays (ELISA, Luminex), solid phase complement binding assays (C1q, C3d, C4d etc.).

	Feb. (1)	Aug. (4)
Registration deadline:	15.11.24	16.05.25
Sample Shipment:	13.01.25	14.07.25
Closing Date:	21.02.25	22.08.25

HLA Diagnostics 07 – HLA-DQ

Lachmann / Zaralioglu

772

Samples: 2 samples of 1-1.5 ml

Sample properties: EDTA whole blood

Shipping Information: Shipping at ambient temperature

Certificate Validity: 12 months

HLA DQA1*05

HLA DQB1*02

HLA DQB1*03:02

	Apr. (3)	Nov. (6)
Registration deadline:	24.01.25	05.09.25
Sample Shipment:	24.03.25	03.11.25
Closing Date:	18.04.25	28.11.25

Immunohaematology 06 – Molecular Diagnostic

Sachs / Flegel / Weinstock

235

Samples: 4 samples
 Sample properties: DNA
 Shipping Information: Shipping at ambient temperature
 Certificate Validity: 12 months

additional sample set not available

Red cells: ABO, MNS, RHD, RHD-Deletion, RHCE, LU, KEL, FY, JK, DI, YT, DO, CO, LW, KN, VEL. Platelets: HPA-1, 2, 3, 4, 5, 6, 9, 15. Granulocytes: HNA-1a, -1b, -1c; HNA-3, HNA-4, HNA-5.

A list of the alleles necessary for successful participation can be found at:

www.instand-ev.de/mandatory-alleles

May (3)

Oct. (6)

Registration deadline:

28.02.25

15.08.25

Sample Shipment:

29.04.25

14.10.25

Closing Date:

16.05.25

31.10.25

Conventional genetics

Molecular Genetics 01 – Apolipoprotein E (E2, E3, E4)

Flörke / Kappert

734

Samples: 2 samples of 0.5 ml
 Sample properties: Human whole blood
 Shipping Information: Shipping at ambient temperature
 Certificate Validity: 12 months

Maximum order: 3 sets of samples

participation according to Rili-BÄK:
 bi-annual

Apo E (genotypes 2, 3, 4)

Apr. (2)

Oct. (5)

Registration deadline:

10.01.25

04.07.25

Sample Shipment:

11.03.25

02.09.25

Closing Date:

11.04.25

03.10.25

Molecular Genetics 02 – Factor V-Leiden-Mutation

Flörke / Kappert

730

Samples: 2 samples of 0.5 ml
 Sample properties: Human whole blood
 Shipping Information: Shipping at ambient temperature
 Certificate Validity: 12 months

Maximum order: 3 sets of samples

participation according to Rili-BÄK:
 bi-annual

Factor V-Leiden

Apr. (2)

Oct. (5)

Registration deadline:

10.01.25

04.07.25

Sample Shipment:

11.03.25

02.09.25

Closing Date:

11.04.25

03.10.25

Samples: 2 samples of 0.5 ml Sample properties: Human whole blood Shipping Information: Shipping at ambient temperature Certificate Validity: 12 months			Maximum order: 3 sets of samples participation according to Rili-BÄK: bi-annual
HFE: C 282 Y	HFE: H 63 D	HFE: S 65 C	
	Apr. (2)	Oct. (5)	
Registration deadline:	10.01.25	04.07.25	
Sample Shipment:	11.03.25	02.09.25	
Closing Date:	11.04.25	03.10.25	

Samples: 2 samples of 0.5 ml Sample properties: Human whole blood Shipping Information: Shipping at ambient temperature Certificate Validity: 12 months			Maximum order: 3 sets of samples participation according to Rili-BÄK: bi-annual
MTHFR (A 1298 C)	MTHFR (C 677 T)		
	Apr. (2)	Oct. (5)	
Registration deadline:	10.01.25	04.07.25	
Sample Shipment:	11.03.25	02.09.25	
Closing Date:	11.04.25	03.10.25	

Samples: 2 samples of 0.5 ml Sample properties: Human whole blood Shipping Information: Shipping at ambient temperature Certificate Validity: 12 months			Maximum order: 3 sets of samples
Plasminogenactivator-Inhibitor (PAI-1): 4G, 5G			
	Apr. (2)	Oct. (5)	
Registration deadline:	10.01.25	04.07.25	
Sample Shipment:	11.03.25	02.09.25	
Closing Date:	11.04.25	03.10.25	

Samples: 2 samples of 0.5 ml
 Sample properties: Human whole blood
 Shipping Information: Shipping at ambient temperature
 Certificate Validity: 12 months

Maximum order: 3 sets of samples
 participation according to Rili-BÄK:
 bi-annual

Prothrombin G20210A

	Apr. (2)	Oct. (5)
Registration deadline:	10.01.25	04.07.25
Sample Shipment:	11.03.25	02.09.25
Closing Date:	11.04.25	03.10.25

Molecular Genetics 07 – Aldolase B (A149P, A174D, N334K)

Samples: 3 samples of 20 µl
 Sample properties: DNA (in 20 µl water) isolated from human leukocytes
 Shipping Information: Shipping at ambient temperature
 Certificate Validity: 12 months

Hereditary fructose intolerance:

Aldolase B: A 149 P Aldolase B: A 174 D Aldolase B: N 334 K

	May (3)	Nov. (6)
Registration deadline:	28.02.25	08.08.25
Sample Shipment:	29.04.25	07.10.25
Closing Date:	30.05.25	07.11.25

Molecular Genetics 08 – Alpha1-antitrypsin (PiM, PiS, PiZ)

Samples: 3 samples of 20 µl
 Sample properties: DNA (in 20 µl water) isolated from human leukocytes
 Shipping Information: Shipping at ambient temperature
 Certificate Validity: 12 months

participation according to Rili-BÄK:
 bi-annual

Enzyme inhibitors:

Alpha-1 antitrypsin S-Locus Alpha-1 antitrypsin Z-Locus

	May (3)	Nov. (6)
Registration deadline:	28.02.25	08.08.25
Sample Shipment:	29.04.25	07.10.25
Closing Date:	30.05.25	07.11.25

<div>Samples: 2 Samples of 50 µl</div> <div>Sample properties: Genomic DNA suspended in 10 mM Tris-HCl pH 8.5</div> <div>Shipping Information: Shipping at ambient temperature</div> <div>Certificate Validity: 12 months</div>			<div>additional sample set not available</div> <div>participation according to Rili-BÄK: bi-annual</div> <div>(grace period: 30. May 2026)</div>
<div>Antithrombin (AT3; SERPINC1)</div>			
	<div>May (3)</div>	<div>Nov. (6)</div>	
Registration deadline:	<div>28.02.25</div>	<div>08.08.25</div>	
Sample Shipment:	<div>29.04.25</div>	<div>07.10.25</div>	
Closing Date:	<div>30.05.25</div>	<div>07.11.25</div>	

Samples: 3 samples of 20 µl Sample properties: DNA (in 20 µl water) isolated from human leukocytes Shipping Information: Shipping at ambient temperature Certificate Validity: 12 months		participation according to Rili-BÄK: bi-annual
Lipoproteins: Apo E (genotypes 2, 3, 4)		
	May (3)	Nov. (6)
Registration deadline:	28.02.25	08.08.25
Sample Shipment:	29.04.25	07.10.25
Closing Date:	30.05.25	07.11.25

Samples: 3 samples of 20 µl Sample properties: DNA (in 20 µl water) isolated from human leukocytes Shipping Information: Shipping at ambient temperature Certificate Validity: 24 months		participation according to Rili-BÄK: yearly
M. Wilson: ATP 7 B: H 1069 Q		
	May (3)	Nov. (6)
Registration deadline:	28.02.25	08.08.25
Sample Shipment:	29.04.25	07.10.25
Closing Date:	30.05.25	07.11.25

Samples: 3 samples of 20 µl
 Sample properties: DNA (in 20 µl water) isolated from human leukocytes
 Shipping Information: Shipping at ambient temperature
 Certificate Validity: 12 months

participation according to Rili-BÄK:
 bi-annual

Coagulation:

Factor V-Leiden

	May (3)	Nov. (6)
Registration deadline:	28.02.25	08.08.25
Sample Shipment:	29.04.25	07.10.25
Closing Date:	30.05.25	07.11.25

Molecular Genetics 13 – Fibrinogen Receptor HPA 1a/1b

Samples: 3 samples of 20 µl
 Sample properties: DNA (in 20 µl water) isolated from human leukocytes
 Shipping Information: Shipping at ambient temperature
 Certificate Validity: 12 months

Coagulation:

Fibrinogen Receptor HPA: 1a, 1b

	May (3)	Nov. (6)
Registration deadline:	28.02.25	08.08.25
Sample Shipment:	29.04.25	07.10.25
Closing Date:	30.05.25	07.11.25

Molecular Genetics 14 – HFE: H63D, C282Y

Samples: 3 samples of 20 µl
 Sample properties: DNA (in 20 µl water) isolated from human leukocytes
 Shipping Information: Shipping at ambient temperature
 Certificate Validity: 12 months

participation according to Rili-BÄK:
 bi-annual

Haemochromatosis:

HFE: C 282 Y

HFE: H 63 D

HFE: S 65 C

	May (3)	Nov. (6)
Registration deadline:	28.02.25	08.08.25
Sample Shipment:	29.04.25	07.10.25
Closing Date:	30.05.25	07.11.25

Samples: 3 samples of 20 µl
 Sample properties: DNA (in 20 µl water) isolated from human leukocytes
 Shipping Information: Shipping at ambient temperature
 Certificate Validity: 12 months

Coagulation:

Collagen receptor GP Ia/IIa (C 807 T)

	May (3)	Nov. (6)
Registration deadline:	28.02.25	08.08.25
Sample Shipment:	29.04.25	07.10.25
Closing Date:	30.05.25	07.11.25

Samples: 3 samples of 20 µl
 Sample properties: DNA (in 20 µl water) isolated from human leukocytes
 Shipping Information: Shipping at ambient temperature
 Certificate Validity: 12 months

participation according to Rili-BÄK:
 bi-annual

Coagulation:

MTHFR (A 1298 C)

MTHFR (C 677 T)

	May (3)	Nov. (6)
Registration deadline:	28.02.25	08.08.25
Sample Shipment:	29.04.25	07.10.25
Closing Date:	30.05.25	07.11.25

Samples: 3 samples of 20 µl
 Sample properties: DNA (in 20 µl water) isolated from human leukocytes
 Shipping Information: Shipping at ambient temperature
 Certificate Validity: 12 months

Coagulation:

Plasminogenactivator-Inhibitor (PAI-1): 4G, 5G

	May (3)	Nov. (6)
Registration deadline:	28.02.25	08.08.25
Sample Shipment:	29.04.25	07.10.25
Closing Date:	30.05.25	07.11.25

Samples: 2 Samples of 50 µl
 Sample properties: Genomic DNA suspended in 10 mM Tris-HCl pH 8.5
 Shipping Information: Shipping at ambient temperature
 Certificate Validity: 12 months

additional sample set not available

Protein C

	May (3)	Nov. (6)
Registration deadline:	28.02.25	08.08.25
Sample Shipment:	29.04.25	07.10.25
Closing Date:	30.05.25	07.11.25

Samples: 2 Samples of 50 µl
 Sample properties: Genomic DNA suspended in 10 mM Tris-HCl pH 8.5
 Shipping Information: Shipping at ambient temperature
 Certificate Validity: 12 months

additional sample set not available

Protein S

	May (3)	Nov. (6)
Registration deadline:	28.02.25	08.08.25
Sample Shipment:	29.04.25	07.10.25
Closing Date:	30.05.25	07.11.25

Samples: 3 samples of 20 µl
 Sample properties: DNA (in 20 µl water) isolated from human leukocytes
 Shipping Information: Shipping at ambient temperature
 Certificate Validity: 12 months

participation according to Rili-BÄK:
 bi-annual

Coagulation:

Prothrombin G20210A

	May (3)	Nov. (6)
Registration deadline:	28.02.25	08.08.25
Sample Shipment:	29.04.25	07.10.25
Closing Date:	30.05.25	07.11.25

Samples: 3 samples of 20 µl Sample properties: DNA (in 20 µl water) isolated from human leukocytes Shipping Information: Shipping at ambient temperature Certificate Validity: 12 months		participation according to Rili-BÄK: bi-annual
Hyperbilirubinaemia: UDP-glucuronyl transferase (TA)6, (TA)7		
	May (3)	Nov. (6)
Registration deadline:	28.02.25	08.08.25
Sample Shipment:	29.04.25	07.10.25
Closing Date:	30.05.25	07.11.25

Molecular Genetics 23 – Prader-Willi (PWS) und Angelman (AS) Syndromes (Chromosome region 15q11-13, SNRPN)

Samples: 2 samples of 40 µl Sample properties: DNA in Tris-Buffer Shipping Information: Shipping at ambient temperature Certificate Validity: 24 months		participation according to Rili-BÄK: yearly
deletion analysis – maternal allele methylation analysis	deletion analysis – paternal allele	
	May (3)	Nov. (6)
Registration deadline:	28.02.25	08.08.25
Sample Shipment:	29.04.25	07.10.25
Closing Date:	30.05.25	07.11.25

Molecular Genetics 24 – Alpha-Globin and beta-Globin

Samples: 2 samples Sample properties: DNA in Tris-EDTA Shipping Information: Shipping at ambient temperature Certificate Validity: 12 months		
Mutations in alpha-globin gene (max. 4) Genotype alpha-globin gene (nomenclature haemoglobinopathies) Evaluation alpha-globin gene Mutations in beta globin gene (max. 4) Genotype beta-globin gene (nomenclature haemoglobinopathies) Evaluation beta-globin gene Report with findings from alpha- and beta- globin gene together		
	May (3)	Nov. (6)
Registration deadline:	28.02.25	08.08.25
Sample Shipment:	29.04.25	07.10.25
Closing Date:	30.05.25	07.11.25

Molecular Genetics 25 – Apolipoprotein B APOB, R3500Q (HGVS: c.10580G>A; p.Arg3527Gln), R3500W (HGVS: c.10579C>T; p.Arg3527Trp))

Christensen / Kappert

771

Samples: 2 samples of 40 µl
Sample properties: DNA in Tris-Buffer
Shipping Information: Shipping at ambient temperature
Certificate Validity: 12 months

participation according to Rili-BÄK:
bi-annual

Apo B-100 (R3500Q; R3500W)

Annotation for the evaluation: The successful participation requires the correct identification if the variants R3500Q (HGVS: c.10580G>A; p.Arg3527Gln) und R3500W (HGVS: c.10579C>T; p.Arg3527Trp) are present (homozygous/heterozygous) or not (negative) in the DNA samples.

	May (3)	Nov. (6)
Registration deadline:	28.02.25	08.08.25
Sample Shipment:	29.04.25	07.10.25
Closing Date:	30.05.25	07.11.25

Molecular Genetics 26 – AZF (Y-Chromosome Microdeletions)

N.N. / N.N.

788

Samples: 2 samples of 40 µl
Sample properties: DNA in Tris-EDTA
Shipping Information: Shipping at ambient temperature
Certificate Validity: 24 months

participation according to Rili-BÄK:
yearly

AZFa- AZFb-, AZFc deletion;
extension analysis of the deletion, required STS markers, interpretation and recommendations

	May (3)	Nov. (6)
Registration deadline:	28.02.25	08.08.25
Sample Shipment:	29.04.25	07.10.25
Closing Date:	30.05.25	07.11.25

Molecular Genetics 27 – BRCA1 BRCA2

Christensen / Kappert

779

Samples: 2 samples of 40 µl
Sample properties: DNA in Tris-Buffer
Shipping Information: Shipping at ambient temperature
Certificate Validity: 24 months

participation according to Rili-BÄK:
yearly

BRCA1 mutation type BRCA2 mutation type

	May (3)	Nov. (6)
Registration deadline:	28.02.25	08.08.25
Sample Shipment:	29.04.25	07.10.25
Closing Date:	30.05.25	07.11.25

Samples: 2 samples of 40 µl
 Sample properties: DNA in Tris-Buffer
 Shipping Information: Shipping at ambient temperature
 Certificate Validity: 24 months

participation according to Rili-BÄK:
 yearly

CFTR gene

CFTR gene (NM_000492.4). The 34 most common variants detected by standard screening methods will be tested. Participants must be able to identify at least the 34 most common variants. Exception: Participants who only test the 31 variants of the child guidelines for CF. These participants are requested to communicate this in the comment field. Participants who only test for F508del cannot participate in this EQA scheme.

Link to list of mutations:
www.instand-ev.de/cftr-mandatory-mutations

	May (3)	Nov. (6)
Registration deadline:	28.02.25	08.08.25
Sample Shipment:	29.04.25	07.10.25
Closing Date:	30.05.25	07.11.25

Molecular Genetics 29 – Congenital Adrenal Hyperplasia due to 21-Hydroxylase Deficiency (CYP21A2 Gene)

Christensen / Kappert

773

Samples: 2 samples of 40 µl
 Sample properties: DNA in Tris-Buffer
 Shipping Information: Shipping at ambient temperature
 Certificate Validity: 24 months

participation according to Rili-BÄK:
 yearly

Cyp21A2 gene (Del 8bp)	Cyp21A2 gene (E6 Cluster)	Cyp21A2 gene (F306 +T)
Cyp21A2 gene (I 172 N)	Cyp21A2 gene (I2 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)		

	May (3)	Nov. (6)
Registration deadline:	28.02.25	08.08.25
Sample Shipment:	29.04.25	07.10.25
Closing Date:	30.05.25	07.11.25

Molecular Genetics 30 – CYP2C9 CYP2C19 VKORC1 TPMT

Wenzel / N.N.

775

Samples: 2 samples of 40 µl
 Sample properties: DNA in Tris-Buffer
 Shipping Information: Shipping at ambient temperature
 Certificate Validity: 12 months / 12 months

participation according to Rili-BÄK:
 bi-annual

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)	VKORC1: C 1173 T	VKORC1: G -1639 A

	May (3)	Nov. (6)
Registration deadline:	28.02.25	08.08.25
Sample Shipment:	29.04.25	07.10.25
Closing Date:	30.05.25	07.11.25

Samples: 2 samples of 40 µl
 Sample properties: DNA in Tris-Buffer
 Shipping Information: Shipping at ambient temperature
 Certificate Validity: 12 months / 12 months

participation according to Rili-BÄK:
 bi-annual

CYP2D6 Gene Duplication
 CYP2D6*4: G 1934 A
 CYP2D6*6: T1795 del

CYP2D6*3: A2637 del
 CYP2D6*5: complete Deletion
 IL-28B C/T: rs 12979860

	May (3)	Nov. (6)
Registration deadline:	28.02.25	08.08.25
Sample Shipment:	29.04.25	07.10.25
Closing Date:	30.05.25	07.11.25

Molecular Genetics 32 – Duchenne Muscular Dystrophy (DMD) and Becker Muscular Dystrophy (BMD) (DMD Gene)

Christensen / Kappert

780

Samples: 2 samples of 40 µl
 Sample properties: DNA in Tris-Buffer
 Shipping Information: Shipping at ambient temperature
 Certificate Validity: 24 months

participation according to Rili-BÄK:
 yearly

Dystrophin – mutation Dystrophin – mutation type

	May (3)	Nov. (6)
Registration deadline:	28.02.25	08.08.25
Sample Shipment:	29.04.25	07.10.25
Closing Date:	30.05.25	07.11.25

Molecular Genetics 33 – Fragile X Syndrome (FMR1 Gene, CGG Repeats)

Christensen / Kappert

781

Samples: 2 samples of 40 µl
 Sample properties: DNA in Tris-Buffer
 Shipping Information: Shipping at ambient temperature
 Certificate Validity: 24 months / 24 months

participation according to Rili-BÄK:
 yearly

Allele 1 FMR1 CGG repeats in 5' UTR
 Evaluation Allele 1

Allele 2 FMR1 CGG repeats in 5' UTR
 Evaluation Allele 2

	May (3)	Nov. (6)
Registration deadline:	28.02.25	08.08.25
Sample Shipment:	29.04.25	07.10.25
Closing Date:	30.05.25	07.11.25

Samples: 2 samples of 20 µl Sample properties: DNA in Tris-Buffer Shipping Information: Shipping at ambient temperature Certificate Validity: 24 months			participation according to Rili-BÄK: yearly
GJB2 35del G (Connexin 26)			
	May (3)	Nov. (6)	
Registration deadline:	28.02.25	08.08.25	
Sample Shipment:	29.04.25	07.10.25	
Closing Date:	30.05.25	07.11.25	

Samples: 2 samples of 40 µl Sample properties: DNA in Tris-Buffer Shipping Information: Shipping at ambient temperature Certificate Validity: 24 months / 24 months			participation according to Rili-BÄK: yearly
HTT Gen – CAG repeats allele 1 HTT Gen – evaluation allele 1	HTT Gen – CAG repeats allele 2 HTT Gen – evaluation allele 2		
	May (3)	Nov. (6)	
Registration deadline:	28.02.25	08.08.25	
Sample Shipment:	29.04.25	07.10.25	
Closing Date:	30.05.25	07.11.25	

Samples: 2 samples of 35 µl Sample properties: DNA in Tris-Buffer Shipping Information: Shipping at ambient temperature Certificate Validity: 12 months			participation according to Rili-BÄK: bi-annual (grace period: 30. May 2026)
K-ras Codon 12 mutation K-ras Codon 13 mutation	K-ras Codon 12/13 mutation K-ras Codon 61 mutation		
	May (3)	Nov. (6)	
Registration deadline:	28.02.25	08.08.25	
Sample Shipment:	29.04.25	07.10.25	
Closing Date:	30.05.25	07.11.25	

Molecular Genetics 38 – Lactase-gene -13910T>C (MCMG Gene, IVS13 C-T, rs9988235, HGVS: C.1917+326 C>T)

Christensen / Kappert

770

Samples: 2 samples of 40 µl
Sample properties: DNA in Tris-Buffer
Shipping Information: Shipping at ambient temperature
Certificate Validity: 12 months

participation according to Rili-BÄK:
bi-annual

Laktase-Gene (LCT) (-13910 C>T; HGVS: c.1917+326C>T)

	May (3)	Nov. (6)
Registration deadline:	28.02.25	08.08.25
Sample Shipment:	29.04.25	07.10.25
Closing Date:	30.05.25	07.11.25

Molecular Genetics 39 – MLH1 MSH2 MSH6 PMS2 (HNPCC)

N.N. / N.N.

783

Samples: 2 samples of 40 µl
Sample properties: DNA in Tris-EDTA
Shipping Information: Shipping at ambient temperature
Certificate Validity: 24 months

participation according to Rili-BÄK:
yearly

MLH1, MSH2,MSH6,PMS2 gene analysis (SNV und CNV);
classification of variants; interpretation and recommendations

	May (3)	Nov. (6)
Registration deadline:	28.02.25	08.08.25
Sample Shipment:	29.04.25	07.10.25
Closing Date:	30.05.25	07.11.25

Molecular Genetics 41 – Spinal Muscular Atrophy (SMN1 and SMN2 Genes)

Christensen / Kappert

787

Samples: 2 samples of 40 µl
Sample properties: DNA in Tris-Buffer
Shipping Information: Shipping at ambient temperature
Certificate Validity: 24 months

participation according to Rili-BÄK:
yearly

SMN1 Gen SMN2 Gen

	May (3)	Nov. (6)
Registration deadline:	28.02.25	08.08.25
Sample Shipment:	29.04.25	07.10.25
Closing Date:	30.05.25	07.11.25

Samples: 2 samples of 40 µl Sample properties: DNA in Tris-EDTA Shipping Information: Shipping at ambient temperature Certificate Validity: 12 months			participation according to Rili-BÄK: bi-annual (grace period: 30. May 2026)
The following mutations are tested in this EQA scheme: Haplotype B3 (c.1236G>A; c.1129-5923C>G); c.1679T>G; c.1905+1G>A; c.2846A>T			
	May (3)	Nov. (6)	
Registration deadline:	28.02.25	08.08.25	
Sample Shipment:	29.04.25	07.10.25	
Closing Date:	30.05.25	07.11.25	

Samples: 2 samples of 40 µl Sample properties: DNA in Tris-EDTA Shipping Information: Shipping at ambient temperature Certificate Validity: 12 months		participation according to Rili-BÄK: bi-annual (grace period: 30. May 2026)
ACE Insertion/Deletion (I/D) polymorphism		
	<div>May (3)</div> <div>Nov. (6)</div>	
Registration deadline:	28.02.25	08.08.25
Sample Shipment:	29.04.25	07.10.25
Closing Date:	30.05.25	07.11.25

Samples: 2 samples of 40 µl Sample properties: DNA in Tris-EDTA Shipping Information: Shipping at ambient temperature Certificate Validity: 12 months			participation according to Rili-BÄK: bi-annual (grace period: 30. May 2026)
CCR5-gene			
	May (3)	Nov. (6)	
Registration deadline:	28.02.25	08.08.25	
Sample Shipment:	29.04.25	07.10.25	
Closing Date:	30.05.25	07.11.25	

Molecular Genetics 21 – Ret Proto-Oncogene (Multiple endocrine neoplasia Type 2A – MEN2A, RET Gene)

Christensen / Kappert

738

Samples: 2 Samples of 50 µl
 Sample properties: Genomic DNA suspended in 10 mM Tris-HCl pH 8.5
 Shipping Information: Shipping at ambient temperature
 Certificate Validity: 12 months

additional sample set not available

Ret Proto-oncogene

	May (3)	Nov. (6)
Registration deadline:	28.02.25	08.08.25
Sample Shipment:	29.04.25	07.10.25
Closing Date:	30.05.25	07.11.25

Molecular Oncology 01 – AML-Panel (NGS)

Kreuzer / Lorsy

798

Samples: 1 sample
 Sample properties: DNA
 Shipping Information: Shipping at ambient temperature
 Certificate Validity: 12 months / 12 months

participation according to Rili-BÄK:
bi-annual

(grace period: 30. May 2026)

ASXL1 (NM_015338.6) Exon 13 Mutation(s)	ASXL1 Nomenclature
CEBPA (NM_004364.5) Mutation(s)	CEBPA Nomenclature
FLT3 (NM_004119.3) Mutation(s) Exon 20	FLT3 Nomenclature
IDH1 (NM_005896.4) Exon 4 Mutation(s)	IDH1 Nomenclature
IDH2 (NM_002168.4) Exon 4 Mutation(s)	IDH2 Nomenclature
NPM1 (NM_002520.7) Exon 11 Mutation(s)	NPM1 Nomenclature
RUNX1 (NM_001754.5) Mutation(s)	RUNX1 Nomenclature
TP53 (NM_000546.6) Mutation(s)	TP53 Nomenclature

	Mar. (2)	Nov. (6)
Registration deadline:	27.12.24	08.08.25
Sample Shipment:	25.02.25	07.10.25
Closing Date:	28.03.25	07.11.25

Molecular Oncology 02 – BRAF

Kreuzer / Lorsy

795

Samples: 2 samples
 Sample properties: DNA
 Shipping Information: Shipping at ambient temperature
 Certificate Validity: 12 months

participation according to Rili-BÄK:
bi-annual

(grace period: 30. May 2026)

BRAF p.V600 BRAF Nomenclature

	Mar. (2)	Nov. (6)
Registration deadline:	27.12.24	08.08.25
Sample Shipment:	25.02.25	07.10.25
Closing Date:	28.03.25	07.11.25

Samples: 2 samples
 Sample properties: DNA
 Shipping Information: Shipping at ambient temperature
 Certificate Validity: 12 months

BTK p.C481

BTK Nomenclature

	Mar. (2)	Nov. (6)
Registration deadline:	27.12.24	08.08.25
Sample Shipment:	25.02.25	07.10.25
Closing Date:	28.03.25	07.11.25

Samples: 2 samples
 Sample properties: DNA
 Shipping Information: Shipping at ambient temperature
 Certificate Validity: 12 months

participation according to Rili-BÄK:
 bi-annual

(grace period: 30. May 2026)

KIT p.D816

KIT Nomenclature

	Mar. (2)	Nov. (6)
Registration deadline:	27.12.24	08.08.25
Sample Shipment:	25.02.25	07.10.25
Closing Date:	28.03.25	07.11.25

Samples: 2 samples
 Sample properties: DNA
 Shipping Information: Shipping at ambient temperature
 Certificate Validity: 12 months

MYD88 p.L265P

	Mar. (2)	Nov. (6)
Registration deadline:	27.12.24	08.08.25
Sample Shipment:	25.02.25	07.10.25
Closing Date:	28.03.25	07.11.25

Samples: 2 samples
 Sample properties: DNA
 Shipping Information: Shipping at ambient temperature
 Certificate Validity: 12 months / 12 months

participation according to Rili-BÄK:
 bi-annual

(grace period: 30. May 2026)

CALR Exon 9 Mutation(s)
 MPL p.W515

CALR Nomenclature
 MPL Nomenclature

JAK2 p.V617F

Mar. (2)

Nov. (6)

Registration deadline: 27.12.24
 Sample Shipment: 25.02.25
 Closing Date: 28.03.25

08.08.25
 07.10.25
 07.11.25

Molecular Oncology 07 – SF3B1

Samples: 2 samples
 Sample properties: DNA
 Shipping Information: Shipping at ambient temperature
 Certificate Validity: 12 months

SF3B1 Exon 14-15 Mutation(s) (NM_012433.4)

SF3B1 Nomenclature

Mar. (2)

Nov. (6)

Registration deadline: 27.12.24
 Sample Shipment: 25.02.25
 Closing Date: 28.03.25

08.08.25
 07.10.25
 07.11.25

Samples: 2 samples
 Sample properties: DNA
 Shipping Information: Shipping at ambient temperature
 Certificate Validity: 12 months

STAT3 Exon 21 Mutation(s) (NM_139276.3)

STAT3 Nomenclature

	Mar. (2)	Nov. (6)
Registration deadline:	27.12.24	08.08.25
Sample Shipment:	25.02.25	07.10.25
Closing Date:	28.03.25	07.11.25

Samples: 2 samples
 Sample properties: DNA
 Shipping Information: Shipping at ambient temperature
 Certificate Validity: 12 months

participation according to Rili-BÄK:
 bi-annual

(grace period: 30. May 2026)

TP53 Mutation(s)

TP53 Nomenclature

	Mar. (2)	Nov. (6)
Registration deadline:	27.12.24	08.08.25
Sample Shipment:	25.02.25	07.10.25
Closing Date:	28.03.25	07.11.25

Allergy diagnostics

Allergy Diagnostic

Schellenberg / Zouboulis

720

Samples: 5 samples of 1.0 or 0.5 ml
 Sample properties: Lyophilised serum
 Shipping Information: Shipping at ambient temperature
 Certificate Validity: 12 months

participation according to Rili-BÄK:
 bi-annual

4 samples for determination specific IgE against inhaled allergens, food allergens and insect poison allergens

1 sample for determination of total IgE

	Jan. (1)	May (3)	July (4)	Oct. (6)
Registration deadline:	15.11.24	28.02.25	25.04.25	08.08.25
Sample Shipment:	14.01.25	29.04.25	24.06.25	07.10.25
Closing Date:	31.01.25	16.05.25	11.07.25	24.10.25

Autoimmune diseases

Autoimmune Diseases 01 – Connective Tissue Diseases (ANA)

Blüthner / Seelig

251

Samples: 2 samples of 0.3 ml
 Sample properties: Plasma / Serum
 Shipping Information: Shipping at ambient temperature
 Certificate Validity: 12 months / 12 months

participation according to Rili-BÄK:
 bi-annual

Antibodies against cell nuclei (antinuclear antibodies)

Autoantibodies against dsDNA
 Collagenosis Screening

Autoantibodies against nuclei (ANA)
 anti-DFS70 / LEDGF

	Mar. (2)	Aug. (5)
Registration deadline:	27.12.24	13.06.25
Sample Shipment:	25.02.25	12.08.25
Closing Date:	14.03.25	29.08.25

Autoimmune Diseases 02 – Hepatic Syndromes

Blüthner / Seelig

253

Samples: 2 samples of 0.3 ml
 Sample properties: Serum / Plasma
 Shipping Information: Shipping at ambient temperature
 Certificate Validity: 12 months

anti-Actin
 anti-Mitochondria

anti-H+/K+-ATPase
 anti-Parietal cells

anti-Microsomes (LKM 1)
 anti-smooth muscle

	Mar. (2)	Aug. (5)
Registration deadline:	27.12.24	13.06.25
Sample Shipment:	25.02.25	12.08.25
Closing Date:	14.03.25	29.08.25

Samples: 2 samples of 0.3 ml
 Sample properties: Plasma / Serum
 Shipping Information: Shipping at ambient temperature
 Certificate Validity: 24 months

Antibodies against ENA

anti-Jo 1 (Histidyl-tRNA-Synthetase)	anti-PM / Scl
anti-SS-A / Ro	anti-SS-A / Ro (52 kD – proteins)
anti-SS-A / Ro (60 kD – proteins)	anti-SS-B / La
anti-Sm	anti-SmD
anti-Topoisomerase-1 (Scl 70)	anti-U1-snRNP

Aug. (5)

Registration deadline:	13.06.25
Sample Shipment:	12.08.25
Closing Date:	29.08.25

Autoimmune Diseases 04 – Vasculitis / Glomerulopathies

Samples: 2 samples of 0.3 ml
 Sample properties: Serum / Plasma
 Shipping Information: Shipping at ambient temperature
 Certificate Validity: 12 months / 12 months

Antibodies against neutrophilic granulocytes (ANCA)

anti-MPO	anti-PR3	anti-glomerular basement membrane (GBM)
c-ANCA	p-ANCA	

Mar. (2)

Aug. (5)

Registration deadline:	27.12.24	13.06.25
Sample Shipment:	25.02.25	12.08.25
Closing Date:	14.03.25	29.08.25

participation according to Rili-BÄK:
 bi-annual

Autoimmune Diseases 05 – Autoimmune Dermatitis

Samples: 2 samples of 0.3 ml
 Sample properties: Serum / Plasma
 Shipping Information: Shipping at ambient temperature
 Certificate Validity: 24 months

anti-Desmosomes	anti-BPAG 180	anti-BPAG 230
anti-Desmoglein 1	anti-Desmoglein 3	anti-Desmoplakin I / II
anti-Hemidesmosomes		

Mar. (2)

Registration deadline:	27.12.24
Sample Shipment:	25.02.25
Closing Date:	14.03.25

Samples: 2 samples of 0.3 ml
 Sample properties: Serum / Plasma
 Shipping Information: Shipping at ambient temperature
 Certificate Validity: 24 months

anti-Glutamic Acid Decarboxylase (GAD)	anti-Insulin (IAA)
anti-Islet cells (ICA)	anti-Islet cells – JDFU
anti-Tyrosine Phosphatase (IA2)	anti-Zinc Transporter 8 (ZnT8A)

Aug. (5)

Registration deadline:	13.06.25
Sample Shipment:	12.08.25
Closing Date:	29.08.25

Autoimmune Diseases 07 – Autoimmune Endocrinopathies

Blüthner / Seelig

263

Samples: 2 samples of 0.3 ml
 Sample properties: Serum / Plasma
 Shipping Information: Shipping at ambient temperature
 Certificate Validity: 24 months

anti-P450 C17 – Hydroxylase	anti-P450 C21 – Hydroxylase
anti-P450 ssc – Hydroxylase	anti-adrenal cortex

Aug. (5)

Registration deadline:	13.06.25
Sample Shipment:	12.08.25
Closing Date:	29.08.25

Autoimmune Diseases 08 – Paraneoplastic Neuropathies

Blüthner / Seelig

265

Samples: 2 samples of 0.3 ml
 Sample properties: Serum / Plasma
 Shipping Information: Shipping at ambient temperature
 Certificate Validity: 24 months

anti – Glia Cell Nuclear Antibody (AGNA)	anti-Amphiphysin 1
anti-HuD	anti-Neuronal nuclei
anti-Purkinje cells	anti-Ri / Nova 1
anti-SOX1	anti-Ta (Ma 2)
anti-Yo (CDR62)	

Mar. (2)

Registration deadline:	27.12.24
Sample Shipment:	25.02.25
Closing Date:	14.03.25

Samples: 2 samples of 0.3 ml
 Sample properties: Plasma / Serum
 Shipping Information: Shipping at ambient temperature
 Certificate Validity: 24 months

anti-Asialoganglioside (AGA1)	anti-Disialoganglioside (GD1a)
anti-Disialoganglioside (GD1b)	anti-Monosialoganglioside (GM1)
anti-Monosialoganglioside (GM2)	anti-Monosialoganglioside (GM3)
anti-Myelin-associated Glycoprotein (MAG)	anti-Quadrosialoganglioside (GQ1b)
anti-Trisialoganglioside (GT1b)	

Mar. (2)

Registration deadline:	27.12.24
Sample Shipment:	25.02.25
Closing Date:	14.03.25

Autoimmune Diseases 10 – Myasthenia gravis

Samples: 2 samples of 0.3 ml
 Sample properties: Plasma / Serum
 Shipping Information: Shipping at ambient temperature
 Certificate Validity: 24 months

anti-Acetylcholin receptors	anti-Musclespecific Receptor Tyrosinkinase (MuSK)
anti-Titin	anti-skeletal muscle

Mar. (2)

Registration deadline:	27.12.24
Sample Shipment:	25.02.25
Closing Date:	14.03.25

Autoimmune Diseases 11 – Gluten-Sensitive Enteropathies

Samples: 2 samples of 0.3 ml
 Sample properties: Plasma / Serum
 Shipping Information: Shipping at ambient temperature
 Certificate Validity: 12 months / 12 months

anti-Endomysium IgA	anti-Gliadin IgA	anti-Gliadin IgG
anti-Transglutaminase IgA	anti-deamidated Gliadin IgA	anti-deamidated Gliadin IgG

Mar. (2)

Aug. (5)

Registration deadline:	27.12.24	13.06.25
Sample Shipment:	25.02.25	12.08.25
Closing Date:	14.03.25	29.08.25

participation according to Rili-BÄK:
 bi-annual

Samples: 2 samples of 0.3 ml
 Sample properties: Serum / Plasma
 Shipping Information: Shipping at ambient temperature
 Certificate Validity: 6 months / 12 months

participation according to Rili-BÄK:
 quarterly

Rheumatoid Factor, Rheumatoid Factor (isotypes)
 anti-MCV (mutated citrullinated Vimentin)

anti-CCP (cyclic citrulline peptide)

Additional terms see EQA No. 323!

	Mar. (2)	Aug. (5)
Registration deadline:	27.12.24	13.06.25
Sample Shipment:	25.02.25	12.08.25
Closing Date:	14.03.25	29.08.25

Autoimmune Diseases 13 – Antiphospholipid Syndrome

Samples: 2 samples of 0.3 ml
 Sample properties: Plasma / Serum
 Shipping Information: Shipping at ambient temperature
 Certificate Validity: 24 months

anti-Cardiolipin (IgA) anti-Cardiolipin (IgG) anti-Cardiolipin (IgM)
 anti-β2-Glycoprotein (IgA) anti-β2-Glycoprotein (IgG) anti-β2-Glycoprotein (IgM)

Aug. (5)

Registration deadline:	13.06.25
Sample Shipment:	12.08.25
Closing Date:	29.08.25

Basophil Activation Test

Samples: 2 samples of 2.6 ml
 Sample properties: EDTA whole blood, not stabilized, overnight shipping
 Shipping Information: Cooled shipping
 Certificate Validity: 12 months

Basophil activation by allergens bee and wasp. The stimulants are not included!

Due to high demand and limited sample material, we reserve the right to close orders early.

	May (3)	Oct. (6)
Registration deadline:	07.03.25	15.08.25
Sample Shipment:	06.05.25	14.10.25
Closing Date:	16.05.25	24.10.25

Immunohaematology 01

Wagner / Geisen

231

Samples: 2 sets of samples: 1 set = 1 x 5 ml / 1 x 5 ml erythrocytes suspension Sample properties: Serum / erythrocytes suspension Shipping Information: Shipping at ambient temperature Certificate Validity: 6 months / 12 months					participation according to Rili-BÄK: quarterly
A B O – Typing Rh – Subtyping (without Cw) Kell antigen		Rh (D) Factor Antibody Screening		A – Subtyping Direct Antiglobulin Test	
	Mar. (2)	May (3)	July (4)	Oct. (6)	
Registration deadline:	29.11.24	31.01.25	28.03.25	11.07.25	
Sample Shipment:	25.02.25	29.04.25	24.06.25	07.10.25	
Closing Date:	14.03.25	16.05.25	11.07.25	24.10.25	

Immunohaematology 02 (incl. Antibody Identification)

Wagner / Geisen

232

Samples: 2 sets of samples: 1 set = 1 x 5 ml serum / 1 x 3 ml serum / 1 x 5 ml erythrocytes suspension Sample properties: Serum / Erythrocytes suspension Shipping Information: Shipping at ambient temperature Certificate Validity: 6 months / 12 months					participation according to Rili-BÄK: quarterly
A B O – Typing Rh – Subtyping (without Cw) Kell antigen		Rh (D) Factor Antibody Screening Antibody identification		A – Subtyping Direct Antiglobulin Test AB quantitation	
	Mar. (2)	May (3)	July (4)	Oct. (6)	
Registration deadline:	29.11.24	31.01.25	28.03.25	11.07.25	
Sample Shipment:	25.02.25	29.04.25	24.06.25	07.10.25	
Closing Date:	14.03.25	16.05.25	11.07.25	24.10.25	

Immunohaematology 03 – Platelet Immunology

Sachs / Kroll

233

Samples: 3 serum samples, 2 samples of DNA, 2 samples of platelet suspension Sample properties: Serum or plasma Shipping Information: Shipping at ambient temperature Certificate Validity: 12 months		additional sample set not available	
Platelet antibodies Platelet antigens This EQA scheme is intended for laboratories which are able to detect platelet alloantibodies and antigens. The EQA scheme No. 235 'Immunohaematology 06 – Molecular Diagnostic' was designed for laboratories which only want to carry out platelet antigen genotyping.			
	Mar. (2)		Sep. (5)
Registration deadline:	27.12.24		13.06.25
Sample Shipment:	25.02.25	12.08.25	
Closing Date:	28.03.25	12.09.25	

Samples: 3 samples of plasma, 2 samples of DNA

Sample properties: Plasma + DNA

Shipping Information: Shipping at ambient temperature

Certificate Validity: 12 months

additional sample set not available

HNA/granulocyte antibodies HNA/granulocyte (neutrophil) antigens

This EQA scheme includes all HNA specifications. It is dedicated to laboratories which are able to detect granulocyte alloantibodies and antigens. The EQA scheme No. 235 'Immunohaematology 06 – Molecular Diagnostic' was designed for laboratories which only want to perform HNA genotyping. 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.

	Mar. (2)	Sep. (5)
Registration deadline:	27.12.24	13.06.25
Sample Shipment:	25.02.25	12.08.25
Closing Date:	28.03.25	12.09.25

Immunohaematology 05 – Machine-Based Analysis

Wagner / Geisen

237

Samples: 2 samples

Sample properties: Anticoagulated whole blood (haematocrit 30%)

Shipping Information: Shipping at ambient temperature

Certificate Validity: 6 months / 12 months

participation according to Rili-BÄK:
quarterly

A B O – Typing	Rh (D) Factor	A – Subtyping
Rh – Subtyping (without Cw)	Antibody Screening	Direct Antiglobulin Test
Kell antigen	Antibody identification	

	Mar. (2)	May (3)	July (4)	Oct. (6)
Registration deadline:	29.11.24	31.01.25	28.03.25	11.07.25
Sample Shipment:	25.02.25	29.04.25	24.06.25	07.10.25
Closing Date:	14.03.25	16.05.25	11.07.25	24.10.25

Immunohaematology 07 –
Machine-Based Analysis (incl. AB Quantitation)

Wagner / Geisen

238

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

Sample properties: Anticoagulated whole blood (haematocrit 30%) / plasma

Shipping Information: Shipping at ambient temperature

Certificate Validity: 6 months / 12 months

participation according to Rili-BÄK:
quarterly

A B O – Typing	Rh (D) Factor	A – Subtyping
Rh – Subtyping (without Cw)	Antibody Screening	Direct Antiglobulin Test
Kell antigen	Antibody identification	AB quantitation

	Mar. (2)	May (3)	July (4)	Oct. (6)
Registration deadline:	29.11.24	31.01.25	28.03.25	11.07.25
Sample Shipment:	25.02.25	29.04.25	24.06.25	07.10.25
Closing Date:	14.03.25	16.05.25	11.07.25	24.10.25

Immunophenotyping – Cellular Immunodeficiency Diagnostic

Sack / Boldt

651

Samples: 2 samples Sample properties: EDTA whole blood, not stabilized, overnight shipping Shipping Information: Shipping at ambient temperature Certificate Validity: 12 months		additional sample set not available
Analytes according to case description T, NK and B cell subpopulations including naive, memory, effector, activated, TH1/2 and Treg cells, TCR Vβ-typing		
	May (3)	
Registration deadline:	14.03.25	15.08.25
Sample Shipment:	13.05.25	14.10.25
Closing Date:	23.05.25	24.10.25

Functional immunologic assays

Granulocyte Function (Oxidative Burst)

NEW

Kölsch / Hauck

654

Samples: 2 samples of 2 ml Sample properties: Heparin whole blood Shipping Information: Shipping at ambient temperature Certificate Validity: 12 months		additional sample set not available
upon stimulation with PMA or E. coli for DHR-Assay (Dihydrorhodamin) or NBT (Nitroblue-Tetrazolium-Test)		
	May (3)	
Registration deadline:	14.03.25	15.08.25
Sample Shipment:	13.05.25	14.10.25
Closing Date:	23.05.25	24.10.25

Granulocyte Function (Phagocytosis Test)

NEW

Kölsch / Hauck

655

Samples: 2 samples of 2 ml Sample properties: Heparin whole blood Shipping Information: Shipping at ambient temperature Certificate Validity: 12 months		additional sample set not available
upon stimulation with opsonized E. coli		
	May (3)	
Registration deadline:	14.03.25	15.08.25
Sample Shipment:	13.05.25	14.10.25
Closing Date:	23.05.25	24.10.25

Samples: 2 samples of approx. 4 ml
 Sample properties: Heparin whole blood, not stabilized, overnight shipping
 Shipping Information: Shipping at ambient temperature
 Certificate Validity: 12 months

additional sample set not available

Interferon Gamma Release Assay (IGRA)

Due to high demand two different sets of samples will be sent (Gr. 650 = Gr. 950). Please note: This EQA scheme is based on stimulation with Mycobacterium Tuberculosis antigens and is designed for participants who use a TB Elispot (e.g., T-SPOT®.TB) or a test with pre-stimulation in a tube (e.g. QuantiFeron®-TB Gold Plus). The certificate is also valid for IGRA with other antigens performed on the same platform.

	May (3)	Oct. (6)
Registration deadline:	14.03.25	15.08.25
Sample Shipment:	13.05.25	14.10.25
Closing Date:	30.05.25	31.10.25

Lymphocyte Transformation Test (LTT)

NEW

Kölsch / Hauck

656

Samples: 2 samples of 5 ml
 Sample properties: Heparin whole blood
 Shipping Information: Shipping at ambient temperature
 Certificate Validity: 12 months

additional sample set not available

upon stimulation optionally with PHA, PMA Ionomycine, immobilized anti-CD3 or immobilized anti-CD3 and anti-CD28

	May (3)	Oct. (6)
Registration deadline:	14.03.25	15.08.25
Sample Shipment:	13.05.25	14.10.25
Closing Date:	30.05.25	31.10.25

Complement Analysis 01 – Auto-anti-C1q

Prohaszka / Kirschfink

245

Samples: 2 samples of 300 µl Sample properties: Serum Shipping Information: Shipping at ambient temperature Certificate Validity: 12 months		additional sample set not available
Auto-anti C1q (IgG)	Auto-anti C1q (IgG) (qualitative)	
	Mar. (2)	Nov. (6)
Registration deadline:	27.12.24	08.08.25
Sample Shipment:	25.02.25	07.10.25
Closing Date:	28.03.25	07.11.25

Complement Analysis 02 – Functions and proteins

Prohaszka / Kirschfink

246

Samples: 2 samples of 1 ml Sample properties: Lyophilised serum Shipping Information: Shipping at ambient temperature Certificate Validity: 12 months			Maximum order: 3 sets of samples
Alternative pathway C1q Classical pathway Lectin pathway	C1 inhibitor: activity C3 Factor H	C1 inhibitor: protein C4 Factor I	
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 (classical pathway). Participation with one parameter (e.g. CH50) is possible.			
	Mar. (2)	Nov. (6)	
Registration deadline:	27.12.24	08.08.25	
Sample Shipment:	25.02.25	07.10.25	
Closing Date:	28.03.25	07.11.25	

Complement Analysis 03 – Complement activation products

Prohaszka / Kirschfink

247

Samples: 2 samples of 300 µl Sample properties: Lyophilised plasma Shipping Information: Shipping at ambient temperature Certificate Validity: 24 months		Maximum order: 3 sets of samples
C3a, C3d, Bb, sC5b-9		
Participation with one parameter (e.g. sC5b-9) possible		
		Nov. (6)
Registration deadline:		08.08.25
Sample Shipment:		07.10.25
Closing Date:		07.11.25

Samples: 2 samples of 300 µl
 Sample properties: Lyophilized serum
 Shipping Information: Shipping at ambient temperature
 Certificate Validity: 24 months

additional sample set not available

C3-nephritic factor (qualitative)

Nov. (6)

Registration deadline: 08.08.25
 Sample Shipment: 07.10.25
 Closing Date: 07.11.25

Complement Analysis 05 – Auto-anti FH

Prohaszka / Kirschfink

249

Samples: 2 samples of 300 µl
 Sample properties: Serum
 Shipping Information: Shipping at ambient temperature
 Certificate Validity: 24 months

additional sample set not available

Auto-anti FH-(qualitative) Auto-anti-FH (quantitative)

Nov. (6)

Registration deadline: 08.08.25
 Sample Shipment: 07.10.25
 Closing Date: 07.11.25

Complement Analysis 06 – Anti – C1 Inhibitor

Prohaszka / Kirschfink

250

Samples: 2 samples of 300 µl
 Sample properties: Serum
 Shipping Information: Shipping at ambient temperature
 Certificate Validity: 24 months

additional sample set not available

Auto-anti-C1 inhibitor IgA (qualitative) Auto-anti-C1 inhibitor IgG (qualitative)
 Auto-anti-C1 inhibitor IgM (qualitative)

Nov. (6)

Registration deadline: 08.08.25
 Sample Shipment: 07.10.25
 Closing Date: 07.11.25

Clinical Chemistry – High Frequency

7100

Samples: 12 samples of 5 ml Sample properties: Lyophilised serum Shipping Information: Shipping at ambient temperature						
CK Cholesterol GOT (ASAT) LDH Potassium Triglycerides	Calcium Creatinine GPT (ALAT) Lithium Protein Urea	Chloride GGT Glucose Magnesium Sodium Uric Acid				
Registration deadline first half-year: 01.11.24 Shipping date first half-year: 26.11.24			Registration deadline second half-year: 30.05.24 Shipping date second half-year: 17.06.25			
	Jan. (1)	Feb. (2)	Mar. (3)	Apr. (4)	May (5)	June (6)
Value entry:	01.01.25	01.02.25	01.03.25	01.04.25	01.05.25	01.06.25
Closing Date:	07.01.25	07.02.25	07.03.25	07.04.25	07.05.25	07.06.25
	July (7)	Aug. (8)	Sep. (9)	Oct. (10)	Nov. (11)	Dec. (12)
Value entry:	01.07.25	01.08.25	01.09.25	01.10.25	01.11.25	01.12.25
Closing Date:	07.07.25	07.08.25	07.09.25	07.10.25	07.11.25	07.12.25

Haematology

Haematology 01 – Blood Cell Count

Lohr / Nebe

211

Samples: 2 samples of 2 ml Sample properties: Stabilized control blood Shipping Information: Shipping at ambient temperature Certificate Validity: 6 months / 12 months						
Analysis of Haemoglobin with HemoCue systems is possible!						
Erythrocytes Haemoglobin Thrombocytes	Haematocrit centrif. Leucocytes	Haematocrit el.count MCV				
	Jan. (1)	Mar. (2)	May (3)	July (4)	Aug. (5)	Oct. (6)
Registration deadline:	15.11.24	27.12.24	28.02.25	25.04.25	13.06.25	08.08.25
Sample Shipment:	14.01.25	25.02.25	29.04.25	24.06.25	12.08.25	07.10.25
Closing Date:	31.01.25	14.03.25	16.05.25	11.07.25	29.08.25	24.10.25

participation according to Rili-BÄK:
quarterly

Haematology 03 – Blood Cell Count – QBC System

Lohr / Nebe

209

Samples: 2 samples Sample properties: Whole blood K3-EDTA anticoagulated Shipping Information: Cooled shipping Certificate Validity: 6 months				
Haematocrit centrif. Thrombocytes	Haemoglobin	Leucocytes		
	Jan. (1)	May (3)	Sep. (5)	Oct. (6)
Registration deadline:	15.11.24	14.03.25	11.07.25	15.08.25
Sample Shipment:	14.01.25	13.05.25	09.09.25	14.10.25
Closing Date:	24.01.25	23.05.25	19.09.25	24.10.25

participation according to Rili-BÄK:
quarterly

Samples: 2 samples
 Sample properties: Whole blood K3-EDTA anticoagulated
 Shipping Information: Cooled shipping
 Certificate Validity: 12 months

Concentration of Hb in reticulocytes	Immature reticulocytes
Reticulated Platelets	Reticulocyte production Index (RPI)
Reticulocytes	Reticulocytes concentration

	Jan. (1)	May (3)	Sep. (5)	Oct. (6)
Registration deadline:	15.11.24	14.03.25	11.07.25	15.08.25
Sample Shipment:	14.01.25	13.05.25	09.09.25	14.10.25
Closing Date:	24.01.25	23.05.25	19.09.25	24.10.25

Haematology 05 – Reticulocyte Analysis 01 (Microscopy)

Samples: 2 blood smears for microscopic analysis
 Sample properties: Slides
 Shipping Information: Shipping at ambient temperature
 Certificate Validity: 12 months

Reticulocytes

	Jan. (1)	July (4)
Registration deadline:	15.11.24	02.05.25
Sample Shipment:	14.01.25	01.07.25
Closing Date:	24.01.25	11.07.25

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

Samples: 2 samples
 Sample properties: Whole blood K3-EDTA anticoagulated
 Shipping Information: Cooled shipping
 Certificate Validity: 6 months / 12 months

participation according to Rili-BÄK: quarterly

Basophilic Granulocytes	Eosinophilic Granulocytes	Erythrocytes
Haematocrit centrif.	Haematocrit el.count	Haemoglobin
Leucocytes	Lymphocytes	MCV
Monocytes	Neutrophilic Granulocytes	Thrombocytes

Due to high demand, two different sets of samples will be sent (Gr. 612 = Gr. 912). The group number you receive will be set by INSTAND e.V. before each EQAS shipment. Both groups are equivalent.

	Jan. (1)	May (3)	Sep. (5)	Oct. (6)
Registration deadline:	15.11.24	14.03.25	11.07.25	15.08.25
Sample Shipment:	14.01.25	13.05.25	09.09.25	14.10.25
Closing Date:	24.01.25	23.05.25	19.09.25	24.10.25