



IN STAND

IN STAND 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.

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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

CALIBRATION LABORATORY

Head: Dr. Patricia Kaiser
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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 | | |
| Uric acid | Serum/Plasma | 50-1000 µmol/l | GC-IDMS | 1.0% |
| | Urine | 20-2500 µmol/l | | |
| Urea | Serum/Plasma | 0.5-50 mmol/l | GC-IDMS | 1.0% |
| | Urine | 0.5-500 mmol/l | | |
| Creatinine | Serum/Plasma | 25-2000 µmol/l | GC-IDMS | 1.0% |
| | Urine | 0.05-40 mmol/l | | |
| 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 | | |
| 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 | | |
| 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>

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.

Scope of services

An EQA scheme includes the sample material, which is used to determine the measurement values by the participant, as well as an 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.

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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| HLA Diagnostics 03 - Low resolution, molecular HLA typing class I and II | 442 | 28 |
| HLA Diagnostics 04 - HLA Crossmatching | 443 | 28 |
| HLA Diagnostics 05 - High resolution, molecular HLA typing class I and II | 444 | 29 |
| HLA Diagnostics 06 - HLA Antibody Screening and Identification | 445 | 29 |
| HLA Diagnostics 07 - HLA-DQ | 772 | 29 |
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| Conventional genetics | | |
| Molecular Genetics 01 - Apolipoprotein E (E2, E3, E4) | 734 | 30 |
| Molecular Genetics 02 - Factor V-Leiden-Mutation | 730 | 30 |
| Molecular Genetics 03 - HFE H63D, C282Y (optional: S65C) | 733 | 31 |
| Molecular Genetics 04 - MTHFR C677T (optional: A1298C) | 732 | 31 |
| Molecular Genetics 05 - PAI-1 (4G/5G) | 735 | 31 |
| Molecular Genetics 06 - Prothrombin G20210A | 731 | 32 |
| Molecular Genetics 07 - Aldolase B (A149P, A174D, N334K) | 793 | 32 |
| Molecular Genetics 08 - Alpha1-antitrypsin (PiM, PiS, PiZ) | 743 | 32 |
| Molecular Genetics 09 - Antithrombin (AT3; SERPINC1) | 792 | 33 |
| Molecular Genetics 10 - Apolipoprotein E (Genotypes 2, 3, 4) | 744 | 33 |
| Molecular Genetics 11 - Copper-Binding Protein: ATP7B (H1069Q) | 745 | 33 |
| Molecular Genetics 12 - Factor V-Leiden-Mutation | 740 | 34 |
| Molecular Genetics 13 - Fibrinogen Receptor HPA 1a/1b | 749 | 34 |
| Molecular Genetics 14 - HFE: H63D, C282Y (optional S65C) | 741 | 34 |
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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 |

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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.

>>

| | | |
|------------------------------|-----------|---------------|
| 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 |

B 3

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

Reibke / Dick / Spannagl

618

| | | |
|--|----------------|--|
| <p>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</p> | | <p>additional sample set not available</p> |
| <p>Chimerism diagnostics after stem cell transplantation</p> <p>Evaluation and diagnosis Receiver</p> <p>Annual fee: 256 € – Only annual subscription possible!</p> <p>EQA results can only be submitted online!</p> <p>Successful participation in both EQAS rounds is necessary for the award of a certificate (10 samples per year).</p> <p>Due to longer shipment times, labs using FISH-Analyses, cannot participate in this EQA.</p> | | |
| | 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

| | | | | |
|---|-----------------|---|-----------------|-----------------|
| <p>Samples: 5 blood samples Sample properties: EDTA whole blood samples, 2-3 ml each Shipping Information: Shipping at ambient temperature Certificate Validity: 12 months</p> | | <p>additional sample set not available</p> <p>participation according to Rili-BÄK: bi-annual</p> | | |
| <p>Determination of HLA-B27 by molecular and/or serological means</p> | | | | |
| | 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 |

| | | | | |
|---|-----------------|---|-----------------|-----------------|
| <p>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</p> | | <p>additional sample set not available</p> <p>participation according to Rili-BÄK: bi-annual</p> <p>(grace period: 30. May 2026)</p> | | |
| <p>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.).</p> | | | | |
| | 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

| | | | | |
|---|-----------------|---|-----------------|--|
| <p>Samples: 5 samples Sample properties: Human serum, 1 ml each Shipping Information: Shipping at ambient temperature Certificate Validity: 12 months</p> | | <p>Maximum order: 2 sets of samples</p> | | |
| <p>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.).</p> | | | | |
| | 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

| | | | | |
|--|-------------|-----------------|-----------------|--|
| <p>Samples: 2 samples of 1-1.5 ml Sample properties: EDTA whole blood Shipping Information: Shipping at ambient temperature Certificate Validity: 12 months</p> | | | | |
| 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 |

Molecular Genetics 03 – HFE H63D, C282Y (optional: S65C)

Flörke / Kappert

733

| | | | |
|--|-----------------|-----------------|--|
| 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 | |

Molecular Genetics 04 – MTHFR C677T (optional: A1298C)

Flörke / Kappert

732

| | | | |
|--|-----------------|-----------------|--|
| 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 | |

Molecular Genetics 05 – PAI-1 (4G/5G)

Flörke / Kappert

735

| | | | |
|--|-----------------|-----------------|----------------------------------|
| 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 |

| | | |
|---|---------------------|---------------------|
| 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 |

| | | |
|---|----------------|--|
| 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 |

| | | |
|---|----------------|---|
| <p>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</p> | | <p>additional sample set not available participation according to Rili-BÄK: bi-annual (grace period: 30. May 2026)</p> |
| <p>Antithrombin (AT3; SERPINC1)</p> | | |
| | 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 |

| | | |
|--|----------------|---|
| <p>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</p> | | <p>participation according to Rili-BÄK: bi-annual</p> |
| <p>Lipoproteins: Apo E (genotypes 2, 3, 4)</p> | | |
| | 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 |

| | | |
|--|----------------|--|
| <p>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</p> | | <p>participation according to Rili-BÄK: yearly</p> |
| <p>M. Wilson: ATP 7 B: H 1069 Q</p> | | |
| | 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) | |
| 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: 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 |

| | | |
|---|----------------|---|
| 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) | |
| 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) | |
| 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) | |
| 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) | |
| Registration deadline: | 28.02.25 | 08.08.25 |
| Sample Shipment: | 29.04.25 | 07.10.25 |
| Closing Date: | 30.05.25 | 07.11.25 |

| | | |
|--|----------------|--|
| <p>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</p> | | <p>participation according to Rili-BÄK: bi-annual</p> |
| <p>Hyperbilirubinaemia: UDP-glucuronyl transferase (TA)6, (TA)7</p> | | |
| | 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)

| | | |
|---|--|---|
| <p>Samples: 2 samples of 40 µl Sample properties: DNA in Tris-Buffer Shipping Information: Shipping at ambient temperature Certificate Validity: 24 months</p> | | <p>participation according to Rili-BÄK: yearly</p> |
| <p>deletion analysis – maternal allele methylation analysis</p> | <p>deletion analysis – paternal allele</p> | |
| | 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

| | | |
|---|----------------|-----------------|
| <p>Samples: 2 samples Sample properties: DNA in Tris-EDTA Shipping Information: Shipping at ambient temperature Certificate Validity: 12 months</p> | | |
| <p>Mutations in alpha-globin gene (max. 4) Genotype alpha-globin gene (nomenclature haemoglobinopathies) Evaluation alpha-globin gene</p> <p>Mutations in beta globin gene (max. 4) Genotype beta-globin gene (nomenclature haemoglobinopathies) Evaluation beta-globin gene</p> <p>Report with findings from alpha- and beta- globin gene together</p> | | |
| | 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)

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

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)

| | | | |
|--|----------------------------|--|--|
| 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)

| | | | |
|--|--|--|--|
| 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) | |
| 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) | |
| 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) | |
| 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 | | |
| | 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) |
| 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) | |
| 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) CEBPA (NM_004364.5) Mutation(s) FLT3 (NM_004119.3) Mutation(s) Exon 20 IDH1 (NM_005896.4) Exon 4 Mutation(s) IDH2 (NM_002168.4) Exon 4 Mutation(s) NPM1 (NM_002520.7) Exon 11 Mutation(s) RUNX1 (NM_001754.5) Mutation(s) TP53 (NM_000546.6) Mutation(s) | ASXL1 Nomenclature CEBPA Nomenclature FLT3 Nomenclature IDH1 Nomenclature IDH2 Nomenclature NPM1 Nomenclature RUNX1 Nomenclature TP53 Nomenclature | |
| | Mar. (2) | |
| 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) | |
| 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 | | 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 | | | |
| SF3B1 Exon 14-15 Mutation(s) (NM_012433.4) | SF3B1 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 | | |
| 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-SS-A / Ro anti-SS-A / Ro (60 kD – proteins) anti-Sm anti-Topoisomerase-1 (Scl 70) | anti-PM / Scl anti-SS-A / Ro (52 kD – proteins) anti-SS-B / La anti-SmD anti-U1-snRNP | |
| | | Aug. (5) |
| Registration deadline: | | 13.06.25 |
| Sample Shipment: | | 12.08.25 |
| Closing Date: | | 29.08.25 |

| | | |
|---|--------------------|---|
| Samples: 2 samples of 0.3 ml Sample properties: Serum / Plasma Shipping Information: Shipping at ambient temperature Certificate Validity: 12 months / 12 months | | participation according to Rili-BÄK: bi-annual |
| Antibodies against neutrophilic granulocytes (ANCA) | | |
| anti-MPO c-ANCA | anti-PR3 p-ANCA | anti-glomerular basement membrane (GBM) |
| | | Mar. (2) |
| 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: Serum / Plasma Shipping Information: Shipping at ambient temperature Certificate Validity: 24 months | | |
| anti- Desmosomes anti-Desmoglein 1 anti-Hemidesmosomes | anti-BPAG 180 anti-Desmoglein 3 | anti-BPAG 230 anti-Desmoplakin I / II |
| | | 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-Islet cells (ICA) anti-Tyrosine Phosphatase (IA2) | anti-Insulin (IAA) anti-Islet cells – JDFU anti-Zinc Transporter 8 (ZnT8A) | |
| | | Aug. (5) |
| Registration deadline: | | 13.06.25 |
| Sample Shipment: | | 12.08.25 |
| Closing Date: | | 29.08.25 |

| | | |
|---|--|-----------------|
| 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 ssc – Hydroxylase | anti-P450 C21 – Hydroxylase anti-adrenal cortex | |
| | | Aug. (5) |
| Registration deadline: | | 13.06.25 |
| Sample Shipment: | | 12.08.25 |
| Closing Date: | | 29.08.25 |

| | | |
|---|--|-----------------|
| 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-HuD anti-Purkinje cells anti-SOX1 anti-Yo (CDR62) | anti-Amphiphysin 1 anti-Neuronal nuclei anti-Ri / Nova 1 anti-Ta (Ma 2) | |
| | | 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 (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) | |
| 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-Acetylcholin receptors anti-Titin | anti-Musclespecific Receptor Tyrosinkinase (MuSK) anti-skeletal muscle | |
| | 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: 12 months / 12 months | | | participation according to Rili-BÄK: bi-annual |
| anti-Endomysium IgA anti-Transglutaminase IgA | anti-Gliadin IgA anti-deamidated Gliadin IgA | anti-Gliadin IgG 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 | |

| | | |
|--|--------------------------------------|---|
| 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 |

| | | | |
|---|--|----------|--|
| 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-β2-Glycoprotein (IgA) | anti-Cardiolipin (IgG) anti-β2-Glycoprotein (IgG) | | anti-Cardiolipin (IgM) anti-β2-Glycoprotein (IgM) |
| | | | Aug. (5) |
| Registration deadline: | | 13.06.25 | |
| Sample Shipment: | | 12.08.25 | |
| Closing Date: | | 29.08.25 | |

| | | |
|---|----------------|-----------------|
| 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 'Immuno haematology 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 |

| | | | | |
|--|--|--|----------|---|
| 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 – Subtyping (without Cw) Kell antigen | Rh (D) Factor Antibody Screening Antibody identification | | | 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 |

| | | | | |
|--|--|--|----------|--|
| 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 – 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 |

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

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| | | | |
|---|--|----------------------------------|-----------------|
| 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 |

| | |
|--|-------------------------------------|
| 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 |

| | |
|--|-------------------------------------|
| 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 | Calcium | Chloride | | | | |
| Cholesterol | Creatinine | GGT | | | | |
| GOT (ASAT) | GPT (ALAT) | Glucose | | | | |
| LDH | Lithium | Magnesium | | | | |
| Potassium | Protein | Sodium | | | | |
| Triglycerides | Urea | 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 | | | | | | | participation according to Rili-BÄK: quarterly |
| Analysis of Haemoglobin with HemoCue systems is possible! | | | | | | | |
| Erythrocytes | Haematocrit centrif. | Haematocrit el.count | | | | | |
| Haemoglobin | Leucocytes | MCV | | | | | |
| Thrombocytes | | | | | | | |
| | 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 | |

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 | | | | | participation according to Rili-BÄK: quarterly |
| Haematocrit centrif. | Haemoglobin | Leucocytes | | | |
| Thrombocytes | | | | | |
| | 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 | |

| | | | | |
|---|-----------------|--|-----------------|-----------------|
| Samples: 2 samples Sample properties: Whole blood K3-EDTA anticoagulated Shipping Information: Cooled shipping Certificate Validity: 12 months | | | | |
| Concentration of Hb in reticulocytes Reticulated Platelets Reticulocytes | | Immature reticulocytes Reticulocyte production Index (RPI) 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 |

| | | |
|---|-----------------|-----------------|
| 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 |

| | | | | | |
|---|---------------------------|----------------|-----------------|-----------------|---|
| 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 | |