

Surveys 2024

Reference Institut für Bioanalytics
Akkredited to DIN EN ISO/IEC 17043



**Quality assurance
in medical laboratory**

www.rfb.bio

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Dear participant,
and those interested,

The guideline of the German Medical Association (RiliBÄK) as well as the EU regulation for in-vitro diagnostics (IVDR) pose new challenges for laboratories and manufacturers, particularly regarding accurate results and quality assurance. Surveys are essential for our efforts to meet these requirements and provide transparent comparison opportunities for measurement methods.

In the ever-evolving world of laboratory medicine and quality assurance, it is crucial that we continuously adapt to the latest developments and regulations. In May 2023, an extended version of the guideline of the German Medical Association (RiliBÄK) was released, and we will introduce the newly required parameters, unless these already exist, through pilot surveys and subsequent regular surveys in 2024. We will provide comprehensive information about these pilot tests on our website and via email.

As part of our efforts to be more environmentally conscious, we will now provide our RfB program booklet as well as certificates and evaluations exclusively in digital form. This decision follows the successful transition of our survey ordering processes to a user-friendly digital format, for which we have received very positive feedback from you.

We are committed to ensuring that our surveys consistently meet the highest quality standards and that you, as participants, benefit from the latest developments and requirements. Your active participation and support are of invaluable importance to us.

We look forward to continuing our successful collaboration with you!

With best regards on behalf of the RfB team



A handwritten signature in black ink, appearing to be 'G. Schabio'.

Gunther Schabio



A handwritten signature in black ink, appearing to be 'A. Kessler'.

Dr. Anja Kessler

The Reference Institute for Bioanalytics runs two of the few German calibration laboratories for clinical measurands at the Hanover and Cologne sites. The RfB calibration laboratories are accredited by the German Accreditation Body (DAkkS) in accordance with the international standards ISO 15195 and ISO/IEC 17025. All reference measurement procedures used comply with the requirements of the guideline of the German Medical Association. Both, the reference measurement procedures and the services offered are listed internationally by the Joint Committee for Traceability in Laboratory Medicine (JCTLM).

Service:

On the one hand, the calibration laboratories determine reference measurement procedure values that are used as target values in the control materials for external quality control of the RfB. In this way, they make a significant contribution to testing the analytical quality of routine clinical chemistry laboratory procedures.

Secondly, for external customers in the IVD industry, there is the possibility to determine reference measurement procedure values. Especially for the verification of metrological traceability in terms of the IVD-R, we offer the certification of calibrators, control materials and patient samples and provide assistance on the subject of calibration concepts.

Analysis spectrum:

Since the development of the first reference measurement procedures for the determination of hormones over 40 years ago, our calibration laboratories have been continuously expanding the range of measurands. Currently, the range includes a total of 35 analytes in the areas of electrolytes, metabolites and substrates, enzymes, hormones, pharmaceuticals as well as proteins (see table).



A handwritten signature in black ink, appearing to read 'C. Stobe'.

Dr. Caroline Stobe



A handwritten signature in black ink, appearing to read 'D. Grote Koska'.

Dr. Denis Grote Koska

Further detailed information can be obtained from the email address info@spmd-rfb.de or directly from the heads of the calibration laboratories, Dr. Caroline Stobe (Calibration Laboratory Cologne, calibrationlab1_info@spmd-rfb.de) and Dr. Denis Grote-Koska (Calibration Laboratory Hanover, calibrationlab2_info@spmd-rfb.de).

| Analyte | Matrices | Measurement range |
|----------------------------------|----------------------------------|------------------------------------|
| 17-Hydroxyprogesterone | Serum, plasma | 1 – 2500 nmol L ⁻¹ |
| α-Amylase (AMY) | Serum, plasma | 0,058 – 12,0 µkat L ⁻¹ |
| Alanine aminotransferase (ALT) | Serum, plasma | 0,072 – 4,75 µkat L ⁻¹ |
| Aldosterone | Serum, plasma | 0,05 – 3,5 nmol L ⁻¹ |
| Alkaline phosphatase (ALP) | Serum, plasma | 0,092 – 11,3 µkat L ⁻¹ |
| Aspartate aminotransferase (AST) | Serum, plasma | 0,040 – 4,17 µkat L ⁻¹ |
| Bilirubin | Serum, plasma | 5 – 525 µmol L ⁻¹ |
| Calcium | Serum, plasma, urine | 0,4 – 8 mmol L ⁻¹ |
| Chloride | Serum, plasma, urine | 50 – 290 mmol L ⁻¹ |
| Cholesterol | Serum, plasma | 1 – 10 mmol L ⁻¹ |
| Cortisol | Serum, plasma | 10 – 2000 nmol L ⁻¹ |
| Creatinine | Serum, plasma | 50 – 1000 µmol L ⁻¹ |
| Creatinine | Urine | 0,4 – 40 mmol L ⁻¹ |
| Creatine kinase (CK) | Serum, plasma | 0,155 – 24,33 µkat L ⁻¹ |
| Digitoxin | Serum, plasma | 0,5 – 100 nmol L ⁻¹ |
| Digoxin | Serum, plasma | 0,1 – 40 nmol L ⁻¹ |
| Oestradiol (E2) | Serum, plasma | 0,01 – 7,5 nmol L ⁻¹ |
| Oestriol (E3) | Serum, plasma | 1 – 500 nmol L ⁻¹ |
| Glucose | Serum, plasma, urine, blood, CSF | 0,5 – 25 mmol L ⁻¹ |
| Haemoglobin | Blood | 20 – 300 g L ⁻¹ |
| Uric acid | Serum, plasma | 50 – 1000 µmol L ⁻¹ |
| Uric acid | Urine | 0,1 – 10 mmol L ⁻¹ |
| Urea | Serum, plasma | 0,5 – 50 mmol L ⁻¹ |
| Urea | Urine | 0,5 – 1000 mmol L ⁻¹ |
| HbA1c | Whole blood, haemolysate | 29 – 150 mmol L ⁻¹ |
| Potassium | Serum, plasma, urine | 0,75 – 75 mmol L ⁻¹ |
| Lactate dehydrogenase (LDH) | Serum, plasma | 0,145 – 10 µkat L ⁻¹ |
| Lithium | Serum, plasma, urine | 0,05 – 5 mmol L ⁻¹ |
| Magnesium | Serum, plasma, urine | 0,1 – 4 mmol L ⁻¹ |
| Sodium | Serum, plasma, urine | 5 – 200 mmol L ⁻¹ |
| Progesterone | Serum, plasma | 0,1 – 100 nmol L ⁻¹ |
| Protein (total) | Serum, plasma | 10 – 120 g L ⁻¹ |
| Testosterone | Serum, plasma | 1 – 50 nmol L ⁻¹ |
| Theophylline | Serum, plasma | 0,75 – 50 mg L ⁻¹ |
| Thyroxine (T4) | Serum, plasma | 20 – 350 nmol L ⁻¹ |
| Triglycerides (total) | Serum, plasma | 0,5 – 20 mmol L ⁻¹ |
| Triiodo-L-thyronine (T3) | Serum, plasma | 0,5 – 8 nmol L ⁻¹ |
| γ-Glutamyltransferase (GGT) | Serum, plasma | 0,032 – 4,58 µkat L ⁻¹ |

In our current program, we have sorted the survey schemes as follows:

- Quantitative determinations
- Qualitative determinations
- Direct detection of pathogens
- Ejaculate investigation
- Molecular- and cytogenetic investigations

Within the individual chapters, the survey schemes are listed alphabetically.

In 2024, we will offer the following new surveys/analytes:

B1

AD Automated differential countpage 9
The proficiency test was supplemented by the analyte platelets; results can be given optically, impedance or fluorescence depending on the detection methods.

AS (asparaginase): Erwinia, E.coli, PEG-E.coli asparaginasepage 10

KL Clinical chemical analytes in cerebrospinal fluid (CSF)page 19
The proficiency test has been extended by the possibility to provide information on light chain analysis.

B3

BakNAT1 (Genom evidence group 1)page 43
Please note the new set composition. Coxiella burnetii and Francisella tularensis have been moved to another survey.

BakNAT4 (Genom evidence group 4)page 44
This survey contains Coxiella burnetii (set 1) and Francisella tularensis (set 2).

CDToxin (Clostridioides difficile toxin genome)page 46
The survey was supplemented by the analyte detection ribotype 027.

LegAg (Legionella pneumophila antigen evidence in urine)page 48

Advice and instructions concerning the processes for registration and ordering are described on page 8.

Reference Institute for Bioanalytics is a special purpose operation of the non-profit foundation "Stiftung für Pathobiochemie und Molekulare Diagnostik" and designs and organizes surveys for External Quality Assurance on their behalf and on nomination by the German Medical Association.

If you have any questions concerning External Quality Assessment or our brochure
please call +49 228 926895-0
or send us an e-mail info@smd-rfb.de

The terms and conditions of participation are published at www.rfb.bio/agb-en.pdf and can be sent on request.

Please note the updated terms and conditions that apply to participation in surveys conducted by the Reference Institute for Bioanalytics for surveys starting from January 1, 2024. The update includes, among other things, the new shipping conditions. In order to enable timely, reliable, and traceable delivery, the samples will be sent exclusively via parcel service in the future. This ensures compliance with accreditation requirements and significantly enhances the service for you.

General information

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Quantitative determinations

| | | |
|----|-----|--|
| 9 | AD | Automated differential count |
| 9 | AK | Therapeutic drug monitoring |
| 10 | AM | Ammonia |
| 10 | AS | Asparaginase |
| 10 | BF | Body fluid |
| 11 | BG | Blood gas |
| 11 | BI | Neonatal bilirubin |
| 12 | CM | Cardiac markers |
| 12 | CMX | Cardiac markers in whole blood |
| 13 | CS | Immunosuppressives |
| 13 | DD | D-Dimer |
| 13 | DT | CD Transferrin |
| 14 | EG | Ethylglucuronide |
| 14 | ET | Ethanol |
| 14 | FD | Faeces diagnostics |
| 15 | GH | Glycated hemoglobin |
| 15 | GL | Glucose („wet“ and „POCT/dry chemistry“) (special offer for small laboratories) |
| 16 | GR | Coagulation |
| 16 | HA | Hematology - Full blood count |
| 17 | HB | Hemoglobin and Hematocrit |
| 17 | HM | Hormones - group 1 |
| 18 | HP | Hormones - group 2 |
| 18 | IG | Serum proteins |
| 19 | IS | Immunophenotyping |
| 19 | KL | Clinical chemical analytes in cerebrospinal fluid (CSF) |
| 20 | KS | Clinical chemical analytes in serum „wet chemistry“ |
| 21 | KU | Clinical chemical analytes in urine |
| 21 | LP | Lipoproteins |
| 22 | NBS | Newborn screening |
| 22 | OH | Hemoglobin derivates |
| 22 | OS | Bone metabolism |
| 23 | PH | Photometer control |
| 23 | RE | Reticulocytes |
| 24 | RF | Rheumatoid factors |
| 24 | SA | Thyroid antibodies |
| 25 | SD | Pregnancy diagnostic |
| 25 | SP | Trace elements in urine |
| 26 | SV | Saliva diagnostic |
| 26 | SW | Sweat analysis |
| 27 | TH | Thrombophilia screening (cooperation with the Dutch organization ECAT) |
| 28 | TM | Tumor markers group 1 |
| 28 | TMX | Tumor markers group 2 |
| 29 | TR | Clinical chemical analytes in serum „dry chemistry“ |
| 29 | VT | Vitamins and analgesics |
| 30 | ZL | Cell count in cerebrospinal fluid (CSF) |
| 30 | ZY | Cytokines |

Qualitative determinations

| | | |
|----|----------|---------------------------------------|
| 31 | AI | Antinuclear antibodies |
| 31 | AL | Allergology |
| 32 | BorrBimm | Anti-Borrelia burgdorferi |
| 32 | CMVimm | CMV serology |
| 33 | DF | Hematology - Differential blood count |
| 33 | DS | Drug screening in urine |
| 34 | EBVimm | Epstein-Barr-Virus serology |

List of contents

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| 34 | HAVimm | HAV serology |
| 34 | HBVimm1 | HBV serology Minor |
| 35 | HBVimm2 | HBV serology Major |
| 35 | HCVimm | HCV serology |
| 35 | HerpVimm | Herpes viruses serology |
| 36 | HIVimm | HIV serology |
| 36 | HS | Urinary calculus |
| 36 | HTLVimm | Human T-lymphotropic virus |
| 37 | IA | Immunohematology automated |
| 37 | IH | Immunohematology Major (extended offer) |
| 38 | IM | Immunohematology Minor (basic program) |
| 38 | KUST | Clinical chemistry in urine, test strip and pregnancy test, qualitative |
| 38 | MaMulmm | Morbili and mumps serology |
| 39 | OB | Oligoclonal bands in cerebrospinal fluid (CSF) |
| 39 | pvB19imm | pvB19 serology |
| 39 | RoetLimm | Anti-Rubella Virus |
| 40 | SX | Systematic toxicologic analysis |
| 40 | ToxoGimm | Anti-Toxoplasma gondii |
| 40 | TrepPimm | Anti-Treponema pallidum |
| 41 | TX | Toxicologic analyses |
| 41 | US | Urine sediment |
| 41 | VariAimm | Various immunological analytes |
| 42 | ZZ | Cerebrospinal fluid cytology |

Direct detections of pathogens

| | | |
|----|----------|---|
| 43 | BA | Bacteriology Major |
| 43 | BakNAT1 | Genome evidence group 1 |
| 44 | BakNAT2 | Genome evidence group 2 |
| 44 | BakNAT3 | Genome evidence group 3 |
| 44 | BakNAT4 | Genome evidence group 4 |
| 45 | BAK-TK | Proficiency panel to detect bacteria in platelet concentrates |
| 45 | BM | Bacteriology Minor |
| 45 | B-Stscre | B-Streptococci screening |
| 46 | CdToxin | Clostridioides (Clostridium) difficile toxin genome |
| 46 | ChlamTra | Chlamydia trachomatis AG |
| 46 | CoVag | Evidence of SARS-CoV-2 antigen |
| 47 | CoVpcr | Genome evidence of SARS-CoV-2 and variants of concern |
| 47 | CrypCand | Cryptococcus neoformans and candida albicans antigen |
| 47 | GP | Gram-staining |
| 48 | HEVpcr | Hepatitis E virus |
| 48 | Infl-RSV | Influenza and RSV antigen evidence |
| 48 | LegAg | Legionella pneumophila antigen evidence |
| 49 | MMRpcr | Genome evidence measles, mumps, rubella |
| 49 | MRGNscre | MRGN screening |
| 49 | MRSAscre | MRSA screening |
| 50 | MykCult | Cultivation and identification of fungi |
| 50 | MykIdent | Identification of fungi |
| 50 | NoroPCR | Norovirus PCR |
| 50 | ParasitB | Parasites in blood |
| 51 | ParasitS | Parasites in stool |
| 51 | PolyVir1 | Genome evidence group 1 |
| 51 | PolyVir2 | Genome evidence group 2 |
| 52 | ToxoGen | Toxoplasma gondii genome |
| 52 | TubDiag | Tuberculosis diagnostics |
| 53 | VREscre | VRE screening |

Ejaculate investigation

| | | |
|----|----|---|
| 54 | EJ | Semen (cooperation with the German society of andrology and their quality control organization QuaDeGa) |
|----|----|---|

Molecular- and cytogenetic investigation

| | | |
|----|-------|----------------------------|
| 55 | ctDNA | circulating tumor DNA |
| 56 | DI | DNA isolation |
| 57 | MG1 | Molecular genetics group 1 |
| 58 | MG2 | Molecular genetics group 2 |
| 60 | SQ | DNA sequencing |

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| | |
|----|---|
| 67 | Thrombophilia screening (TH) application form |
|----|---|

Our website address is:

www.rfb.bio

Open to all interested people, you can find there:

- Information about our current survey program,
- Evaluations of our surveys (target values, statistics, youdenplots, comments on the evaluation etc.),
- Information about the surveys and the Reference Institute for Bioanalytics.

Registered online users have (after login) additional options to handle the participation process:

- Online ordering/cancellation,
- Online data entry.
- PDF retrieval of:
 - Protocol of the input of results,
 - Certificates/evaluations,
 - Annual summary in terms of,
 - orders,
 - certificates,
 - correctness of findings.
- E-mail notifications for evaluated surveys with direct links to individual evaluations.
- Reminder e-mails for close survey deadlines.
- Convenient management of multiple participation numbers by “fast user switching” with reduced login effort.
- Shipment options with reduced paper consumption.
- Summary over finished surveys per year with:
 - passed / not rated / not passed analytes,
 - download of complete evaluation/certificates,
 - comment function.
- **To register:**
Please use the corresponding link on our homepage: “New participant?”
Already online registered participants can register on our homepage via the link: “Password forgotten?”
to request a new password at any time.
- For any questions or comments, please contact us via e-mail: info@spmd-rfb.de

➤ Contract type

RfB offers two different types of contracts for participating in the surveys.

➤ Contract type A - subscription

If you choose contract type A, then your individual order will automatically be renewed annually as long as you do not cancel subscription.

➤ Contract type B - yearly order

If you choose contract type B, you will get the ordered surveys within one calendar year. To receive further surveys for the following year, a new order will be necessary.

➤ Information for application

It is possible to choose either contract type A (permanent subscription) or contract type B (yearly order) for each survey scheme individually.

Participants from Europe, with the exception of Germany, are requested to specify their VAT (value added tax) number.

➤ Ordering

Surveys of RfB can be ordered on our website www.rfb.bio, or by using the form for the survey TH - Thrombophilia provided in this program. This is possible at any time up to the application deadline of the survey.

➤ Changes of orders

For both types of contracts, any changes of orders are possible up to the application deadline of the corresponding survey.

Together with this program for the next year, you will receive an overview of the surveys you already have ordered. This overview could also be used for an order confirmation or changes in your orders.

➤ Fees and invoice

The prices for each survey can be found in the description of the survey scheme in this booklet. These prices are net prices, all deliveries via parcel service are charged separately.

The invoice is issued after completion of the corresponding survey and includes the net price, and plus the applicable VAT. Shipping costs, taxes, and duties are billed separately. Payments can only be made by bank transfer or direct debit.

➤ Notes:

Some parts of the survey (packing/data transfer) can be subcontracted from time to time. When subcontracting occurs, it is in cooperation with a competent subcontractor, and the RfB is responsible for this work.

Parts of survey evaluations may be used for publications, making note of the origin.

The terms and conditions of participation are published at www.rfb.bio/agb-en.pdf and can be sent on request.

Quantitative determinations

AD - Automatic differential count

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| AD1/24 | 11.12.23 | 17.01.24 | 18.01.24 | 23.01.24 |
| AD2/24 | 15.04.24 | 15.05.24 | 16.05.24 | 22.05.24 |
| AD3/24 | 10.06.24 | 10.07.24 | 11.07.24 | 17.07.24 |
| AD4/24 | 07.10.24 | 06.11.24 | 07.11.24 | 13.11.24 |

€ **Fee for each survey, net prices plus VAT, plus special freight**

42,00 €
each additional required pair of samples **36,00 €**

➤ **Sample material**

blood, liquid, 2 samples each 1 ml

➤ **Analytes**

differential count of the leukocytes with automatic systems - **not intended for use overseas**

| | | |
|-----------------|------------------|----------------------|
| neutroph. gran. | tosinoph. gran. | thrombocytes, opt. |
| lymphocytes | basophilie gran. | thrombocytes, imp. |
| monocytes | MXD | thrombocytes, flour. |

➤ **Information**

The samples have only a very limited stability and are sent to you with an express or parcel courier. The costs will be charged additionally.

AK - Therapeutic drug monitoring

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| AK1/24 | 04.12.23 | 02.01.24 | 08.01.24 | 20.01.24 |
| AK2/24 | 18.03.24 | 16.04.24 | 22.04.24 | 04.05.24 |
| AK3/24 | 27.05.24 | 25.06.24 | 01.07.24 | 13.07.24 |
| AK4/24 | 19.08.24 | 17.09.24 | 23.09.24 | 05.10.24 |

€ **Fee for each survey, net prices plus VAT**

| material | fee | additional set |
|---------------|-----------------|----------------|
| set 1 | 60,00 € | 40,00 € |
| set 2 | 51,00 € | 40,00 € |
| set 3 | 38,00 € | 24,00 € |
| set 1 + 2 | 96,00 € | |
| set 1 + 3 | 83,00 € | |
| set 2 + 3 | 74,00 € | |
| set 1 + 2 + 3 | 134,00 € | |

➤ **Sample material**

| | |
|--------------------|----------------------------|
| serum, lyophilized | set 1: 2 samples each 3 ml |
| | set 2: 2 samples each 3 ml |
| | set 3: 2 samples each 2 ml |

➤ **Analytes**

| set 1 | set 2 | set 3 |
|---------------|--------------|--------------|
| carbamazepine | amikacin | ampicillin |
| digoxin | caffeine | cefepime |
| ethosuximide | digitoxin | ceftazidime |
| lithium | gentamycin | linezolid |
| phenobarbital | methotrexate | meropenem |
| | tobramycin | piperacillin |
| | vancomycin | sulbactam |
| | | tazobactam |

AM - Ammonia

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| AM1/24 | 04.12.23 | 02.01.24 | 08.01.24 | 20.01.24 |
| AM2/24 | 26.02.24 | 26.03.24 | 01.04.24 | 13.04.24 |
| AM3/24 | 27.05.24 | 25.06.24 | 01.07.24 | 13.07.24 |
| AM4/24 | 19.08.24 | 17.09.24 | 23.09.24 | 05.10.24 |

€ Fee for each survey, net prices plus VAT

34,50 €

each additional required pair of samples

17,00 €

▶ **Sample material**

serum or control, liquid, 2 samples each 1-3 ml (depending on the manufacturer of samples)

▶ **Analyte**

ammonia

AS - Asparaginase

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| AS1/24 | 29.04.24 | 23.05.24 | 27.05.24 | 15.06.24 |
| AS2/24 | 14.10.24 | 05.11.24 | 11.11.24 | 30.11.24 |

€ Fee for each survey, net prices plus VAT

125,00 €

each additional required pair of samples

60,00 €

▶ **Sample material**

Serum, lyophilised, 3x2 samples with 1 ml each

▶ **Analyte**

Erwinia Asparaginase

E.coli Asparaginase

PEG-E.coli Asparaginase

BF - Body fluid

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| BF1/24 | 01.01.24 | 30.01.24 | 31.01.24 | 07.02.24 |
| BF2/24 | 25.03.24 | 23.04.24 | 24.04.24 | 01.05.24 |
| BF3/24 | 10.06.24 | 09.07.24 | 10.07.24 | 17.07.24 |
| BF4/24 | 09.09.24 | 08.10.24 | 09.10.24 | 16.10.24 |

€ Fee for each survey, net prices plus VAT

72,50 €

each additional required pair of samples

50,00 €

▶ **Sample material**

Point Preparation, liquid, 2 samples each 2 ml

▶ **Analytes**

erythrocyte count

leukocyte count

▶ **Information**

For the automatic differential count of the leukocytes please order the survey AD.

BG - Blood gas

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| BG1/24 | 11.12.23 | 09.01.24 | 15.01.24 | 27.01.24 |
| BG2/24 | 04.03.24 | 02.04.24 | 08.04.24 | 20.04.24 |
| BG3/24 | 17.06.24 | 16.07.24 | 22.07.24 | 03.08.24 |
| BG4/24 | 16.09.24 | 15.10.24 | 21.10.24 | 02.11.24 |

€ Fee for each survey, net prices plus VAT

49,00 €
each additional required pair of samples **28,00 €**

> Sample material

gas equilibrated solution, liquid, 2 ampoules each 2 ml

> Analytes

| | | | |
|------------------|------------------|-----------|--------|
| pH | calcium, ionized | lactate | sodium |
| pCO ₂ | chloride | lithium | urea |
| pO ₂ | creatinine | magnesium | |
| | glucose | potassium | |

BI - Neonatal bilirubin

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| BI1/24 | 01.01.24 | 30.01.24 | 05.02.24 | 17.02.24 |
| BI2/24 | 18.03.24 | 16.04.24 | 22.04.24 | 04.05.24 |
| BI3/24 | 03.06.24 | 02.07.24 | 08.07.24 | 20.07.24 |
| BI4/24 | 26.08.24 | 24.09.24 | 30.09.24 | 12.10.24 |

€ Fee for each survey, net prices plus VAT

48,00 €
each additional required pair of samples **31,00 €**

> Sample material

serum, lyophilized, 2 samples each 2 ml

> Analytes

| | | |
|------------------|-------------------|-------------------------|
| bilirubin, total | bilirubin, direct | bilirubin, unconjugated |
| | | bilirubin, indirect |

> Information

These specimens contain concentrations of bilirubin, which are characteristic in neonatology.

CM - Cardiac markers

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| CM1/24 | 18.12.23 | 23.01.24 | 29.01.24 | 10.02.24 |
| CM2/24 | 18.03.24 | 16.04.24 | 22.04.24 | 04.05.24 |
| CM3/24 | 03.06.24 | 02.07.24 | 08.07.24 | 20.07.24 |
| CM4/24 | 19.08.24 | 17.09.24 | 23.09.24 | 05.10.24 |

€ Fee for each survey, net prices plus VAT

| material | fee | additional set |
|-----------------|----------------|----------------|
| set 1 | 59,00 € | 38,00 € |
| set 2 | 36,00 € | 29,00 € |
| set 1 and set 2 | 88,00 € | |

> Sample material

serum, lyophilized
serum, lyophilized

set 1: 2 samples each 2 ml

set 2: 2 samples each 1 ml

If you only order set 2, you will only receive samples for the determination of BNP.

> Analytes

set 1

CK-MB mass + activity
myoglobin

NT-proBNP
cardiac troponin I

cardiac troponin T
test strips

set 2

BNP

CMX - Cardiac markers in whole blood

| Survey | Application deadline | Sample dispatch date | survey period | |
|---------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| CMX1/24 | 11.12.23 | 16.01.24 | 18.01.24 | 23.01.24 |
| CMX2/24 | 15.04.24 | 14.05.24 | 16.05.24 | 22.05.24 |
| CMX3/24 | 10.06.24 | 09.07.24 | 11.07.24 | 17.07.24 |
| CMX4/24 | 07.10.24 | 05.11.24 | 07.11.24 | 13.11.24 |

€ Fee for each survey, net prices plus VAT

| | |
|--|----------------|
| | 53,00 € |
| each additional required pair of samples | 32,00 € |

> Sample material

whole blood, liquid, 2 samples each 1 ml

> Analytes

NT-proBNP

cardiac troponin I

cardiac troponin T

CS - Immunosuppressives

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| CS1/24 | 08.01.24 | 06.02.24 | 07.02.24 | 17.02.24 |
| CS2/24 | 22.07.24 | 20.08.24 | 21.08.24 | 31.08.24 |

€ Fee for each survey, net prices plus VAT

| material | fee | additional set |
|-----------------|---------|----------------|
| set 1 | 48,00 € | 33,00 € |
| set 2 | 38,50 € | 16,00 € |
| set 1 and set 2 | 67,00 € | |

> Sample material

hemolyzed blood set 1: 4 samples each 1,5 ml
 hemolyzed blood set 2: 2 samples each 1,5 ml

> Analytes

| set 1 | set 2 |
|--------------|------------|
| cyclosporine | everolimus |
| sirolimus | |
| tacrolimus | |

DD - D-Dimer

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| DD1/24 | 18.12.23 | 16.01.24 | 22.01.24 | 03.02.24 |
| DD2/24 | 25.03.24 | 23.04.24 | 29.04.24 | 11.05.24 |
| DD3/24 | 10.06.24 | 09.07.24 | 15.07.24 | 27.07.24 |
| DD4/24 | 23.09.24 | 22.10.24 | 28.10.24 | 09.11.24 |

€ Fee for each survey, net prices plus VAT

each additional required pair of samples 46,00 €
 25,00 €

> Sample material

plasma, lyophilized, 2 samples each 1 ml

> Analyte

| quantitative: | D-dimer | qualitative: | D-dimer |
|---------------|---------------|--------------|---------|
| | D-dimer (FEU) | | |

DT - CD Transferrin

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| DT1/24 | 29.01.24 | 27.02.24 | 04.03.24 | 23.03.24 |
| DT2/24 | 08.07.24 | 06.08.24 | 12.08.24 | 31.08.24 |

€ Fee for each survey, net prices plus VAT

each additional required pair of samples 53,50 €
 36,00 €

> Sample material

serum, lyophilized, 2 samples each 0,5 ml

> Analyte

CDT (Carbohydrate Deficient Transferrin)

EG - Ethylglucuronide

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| EG1/24 | 11.03.24 | 09.04.24 | 15.04.24 | 27.04.24 |
| EG2/24 | 12.08.24 | 10.09.24 | 16.09.24 | 28.09.24 |

€ Fee for each survey, net prices plus VAT

| | |
|--|----------------|
| | 38,00 € |
| each additional required pair of samples | 24,00 € |

> Sample material

urine, lyophilized, 2 samples each 1 ml

> Analyte

Ethylglucuronide, Coitinin

ET - Ethanol

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| ET1/24 | 18.12.23 | 16.01.24 | 22.01.24 | 03.02.24 |
| ET2/24 | 18.03.24 | 16.04.24 | 22.04.24 | 04.05.24 |
| ET3/24 | 17.06.24 | 16.07.24 | 22.07.24 | 03.08.24 |
| ET4/24 | 09.09.24 | 08.10.24 | 14.10.24 | 26.10.24 |

€ Fee for each survey, net prices plus VAT

| | |
|--|----------------|
| | 44,50 € |
| each additional required pair of samples | 22,00 € |

> Sample material

serum, liquid, 2 samples each 2 ml

> Analyte

ethanol

FD - Faeces diagnostics

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| FD1/24 | 26.02.24 | 21.05.24 | 27.05.24 | 08.06.24 |
| FD2/24 | 22.07.24 | 15.10.24 | 21.10.24 | 02.11.24 |

€ Fee for each survey, net prices plus VAT

| | | |
|--|------------------------------------|----------------|
| | | 52,00 € |
| | evaluation pair analytical results | |
| | 1-2 | |
| | 3-4 | 88,00 € |
| each additional required pair of samples | | 50,00 € |

> Sample material

stool, lyophilized, 2 samples each 0,2 ml

> Analytes

Hemoglobin iFOBT assay (quantitative, qualitative)
Hemoglobin / haptoglobin complex (quantitative, qualitative)

Pancreat. Elastase -1 (quantitative, qualitative)
Calprotectin (quantitative, qualitative)

GH - Glycated hemoglobin

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| GH1/24 | 18.12.23 | 16.01.24 | 17.01.24 | 24.01.24 |
| GH2/24 | 25.03.24 | 23.04.24 | 24.04.24 | 01.05.24 |
| GH3/24 | 03.06.24 | 02.07.24 | 03.07.24 | 10.07.24 |
| GH4/24 | 23.09.24 | 22.10.24 | 23.10.24 | 30.10.24 |

€ **Fee for each survey, net prices plus VAT**

52,00 €
each additional required pair of samples **36,00 €**

➤ **Sample material**

full blood or hemolysate, 2 samples each 0,3 ml

➤ **Analytes**

HbA1c

GL - Glucose (wet and POCT/dry chemistry)

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| GL1/24 | 04.12.23 | 02.01.24 | 08.01.24 | 20.01.24 |
| GL2/24 | 19.02.24 | 19.03.24 | 25.03.24 | 06.04.24 |
| GL3/24 | 20.05.24 | 18.06.24 | 24.06.24 | 06.07.24 |
| GL4/24 | 19.08.24 | 17.09.24 | 23.09.24 | 05.10.24 |

€ **Fee for each survey, net prices plus VAT**

33,00 €
each additional required pair of samples **19,00 €**

➤ **Sample material**

serum, lyophilized, 2 samples each 2 ml

If special blood specimens are available, we will use them instead of serum.

➤ **Analyte**

glucose

➤ **Information**

The survey „Glucose“ is offered to laboratories that determine glucose only. If further clinical chemistry analytes are to be determined, participation in a „Clinical chemical analytes in serum“ survey is suggested (KS or TR). This survey is especially recommended for laboratories and practices using glucose measuring instruments, which operate on the basis of pre-portioned reagents (Unit-use) (e. g. Accucheck, Accutrend, Ascensia Elite, HemoCue etc.).

GR - Coagulation

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| GR1/24 | 18.12.23 | 16.01.24 | 22.01.24 | 03.02.24 |
| GR2/24 | 25.03.24 | 23.04.24 | 29.04.24 | 11.05.24 |
| GR3/24 | 10.06.24 | 09.07.24 | 15.07.24 | 27.07.24 |
| GR4/24 | 23.09.24 | 22.10.24 | 28.10.24 | 09.11.24 |

€ Fee for each survey, net prices plus VAT

| | | |
|---|-----|---------|
| evaluation pair analytical results | 1-5 | 60,00 € |
| each additional 5 pairs of analytical results | | 9,00 € |
| each additional required pair of samples | | 36,00 € |

> Sample material

plasma, lyophilized, 2 samples each 1 ml

> Analytes

| | | |
|--|-------------|-------------|
| antithrombin III (AT III), activity | factor II | factor X |
| fibrinogen | factor V | factor XI |
| INR | factor VII | factor XII |
| prothrombin time (PT, Quick) | factor VIII | factor XIII |
| activated partial thromboplastin time (aPTT) | factor IX | |
| thrombin time | | |

HA - Hematology - Full blood count

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| HA1/24 | 01.01.24 | 30.01.24 | 31.01.24 | 07.02.24 |
| HA2/24 | 25.03.24 | 23.04.24 | 24.04.24 | 01.05.24 |
| HA3/24 | 10.06.24 | 09.07.24 | 10.07.24 | 17.07.24 |
| HA4/24 | 09.09.24 | 08.10.24 | 09.10.24 | 16.10.24 |

€ Fee for each survey, net prices plus VAT

| | |
|--|---------|
| | 51,00 € |
| each additional required pair of samples | 38,00 € |

> Sample material

prepared blood, liquid, 2 samples each 2 ml

> Analytes

| | | |
|---------------------------------|-----------------|----------------|
| erythrocyte count | leukocyte count | MCV |
| hematocrit (packed cell volume) | MCH | platelet count |
| hemoglobin | MCHC | |

> Information

For the automatic differential count of the leukocytes, please order the survey AD.
These samples can not be used for the investigation with QBC systems.

HB - Hemoglobin and Hematocrit

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| HB1/24 | 18.12.23 | 23.01.24 | 24.01.24 | 31.01.24 |
| HB2/24 | 01.04.24 | 30.04.24 | 01.05.24 | 08.05.24 |
| HB3/24 | 10.06.24 | 09.07.24 | 10.07.24 | 17.07.24 |
| HB4/24 | 09.09.24 | 08.10.24 | 09.10.24 | 16.10.24 |

€ Fee for each survey, net prices plus VAT

each additional required pair of samples **44,00 €**
32,00 €

> Sample material

prepared blood, liquid, 2 samples each 2 ml

> Analytes

hematocrit

hemoglobin

HM - Hormones - Group 1

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| HM1/24 | 04.12.23 | 02.01.24 | 08.01.24 | 27.01.24 |
| HM2/24 | 26.02.24 | 26.03.24 | 01.04.24 | 20.04.24 |
| HM3/24 | 20.05.24 | 18.06.24 | 24.06.24 | 13.07.24 |
| HM4/24 | 12.08.24 | 10.09.24 | 16.09.24 | 05.10.24 |

€ Fee for each survey, net prices plus VAT

evaluation pair analytical results

1-4

53,00 €

each additional 4 pairs analytical results

5,00 €

each additional required pair of samples

34,50 €

> Sample material

serum, lyophilized, 2 samples each 3 ml

> Analytes

aldosterone
cortisol
DHEA-S

estradiol-17β
ferritin
progesterone

17-OH-progesterone
TBG
testosterone

T3, free
T3, total
T4, free

T4, total
TSH

HP - Hormones - Group 2

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| HP1/24 | 04.12.23 | 02.01.24 | 08.01.24 | 27.01.24 |
| HP2/24 | 26.02.24 | 26.03.24 | 01.04.24 | 20.04.24 |
| HP3/24 | 20.05.24 | 18.06.24 | 24.06.24 | 13.07.24 |
| HP4/24 | 12.08.24 | 10.09.24 | 16.09.24 | 05.10.24 |

€ Fee for each survey, net prices plus VAT

| | |
|---|----------------|
| evaluation pair analytical results | |
| 1-2 | 37,00 € |
| each additional 4 pairs of analytical results | 5,00 € |
| each additional required pair of samples | 24,50 € |

> Sample material

serum, lyophilized, 2 samples each 3 ml

> Analytes

| | | |
|-----------------------------------|--|-------------------------|
| ferritin | IGFBP-3 | prolactin |
| folic acid | insulin | renin / renin-activity |
| FSH | LH | SHBG |
| hGH (somatotropin/growth hormone) | parathyroid hormone, intact (PTH) | vitamin B ₁₂ |
| IGF-1 | parathyroid hormone, bio-intact (PTH 1-84) | |

IG - Serum proteins

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| IG1/24 | 18.12.23 | 16.01.24 | 22.01.24 | 03.02.24 |
| IG2/24 | 11.03.24 | 09.04.24 | 15.04.24 | 27.04.24 |
| IG3/24 | 27.05.24 | 25.06.24 | 01.07.24 | 13.07.24 |
| IG4/24 | 19.08.24 | 17.09.24 | 23.09.24 | 05.10.24 |

€ Fee for each survey, net prices plus VAT

| | |
|--|----------------|
| evaluation pair analytical results | |
| 1-2 | 47,00 € |
| each additional 4 pairs analytical results | 5,00 € |
| each additional required pair of samples | 34,00 € |

> Sample material

serum, liquid, 2 samples each 1 ml

> Analytes

| | | | |
|-----------------|---------------|-------------|---------------------------|
| albumin | CRP | haptoglobin | IgM |
| α1-antitrypsin | cystatin C | IgA | prealbumin |
| α1-glycoprotein | C3 complement | IgE | transferrin |
| coeruloplasmin | C4 complement | IgG | sol. transferrin receptor |
| | | | CRP qualitative |

IS - Immunophenotyping (flow cytometry)

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| IS1/24 | 22.01.24 | 19.02.24 | 20.02.24 | 22.02.24 |
| IS2/24 | 05.08.24 | 02.09.24 | 03.09.24 | 05.09.24 |

€ Fee for each survey, net prices plus VAT, plus special freight

45,00 €

each additional required pair of samples

28,00 €

➤ Sample material

prepared blood samples, liquid, 2 samples with different analyte concentrations each about 2 ml

➤ Analytes

| | | |
|------------------|----------------|--------------------|
| B-cells | NK-cells | T-suppressor cells |
| leukocyte count | T-cells | HLA-B *27 |
| lymphocyte count | T-helper cells | |

➤ Information

The samples have only a very limited stability and are sent to you with an express or parcel courier. The costs will be charged additionally.

KL - Clinical chemical analytes in cerebrospinal fluid (CSF)

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| KL1/24 | 11.12.23 | 09.01.24 | 15.01.24 | 27.01.24 |
| KL2/24 | 19.02.24 | 19.03.24 | 25.03.24 | 06.04.24 |
| KL3/24 | 20.05.24 | 18.06.24 | 24.06.24 | 06.07.24 |
| KL4/24 | 19.08.24 | 17.09.24 | 23.09.24 | 05.10.24 |

€ Fee for each survey, net prices plus VAT

48,50 €

each additional required set of samples

26,00 €

➤ Sample material

| | |
|--------------------|---------------------|
| CSF, lyophilized | 2 samples each 3 ml |
| serum, lyophilized | 2 samples each 1 ml |

➤ Analytes

| | | |
|---------------|----------------------------|-----------|
| albumin | IgG | quotients |
| total protein | IgA | indices |
| glucose | IgM | diagnoses |
| lactate | immunoglobulin light chain | |

➤ Information

The additional serum samples serve to calculate the corresponding quotients.

KS - Clinical chemical analytes in serum „wet chemistry“

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| KS1/24 | 04.12.23 | 02.01.24 | 08.01.24 | 13.01.24 |
| KS2/24 | 15.01.24 | 13.02.24 | 19.02.24 | 24.02.24 |
| KS3/24 | 26.02.24 | 26.03.24 | 01.04.24 | 06.04.24 |
| KS4/24 | 08.04.24 | 07.05.24 | 13.05.24 | 18.05.24 |
| KS5/24 | 27.05.24 | 25.06.24 | 01.07.24 | 06.07.24 |
| KS6/24 | 08.07.24 | 06.08.24 | 12.08.24 | 17.08.24 |
| KS7/24 | 26.08.24 | 24.09.24 | 30.09.24 | 05.10.24 |
| KS8/24 | 07.10.24 | 05.11.24 | 11.11.24 | 16.11.24 |

€ Fee for each survey, net prices plus VAT

| | |
|--|----------------|
| evaluation pair analytical results | |
| 1-8 | 48,00 € |
| each additional 4 pairs analytical results | 4,00 € |
| each additional required pair of samples | 26,00 € |

▶ Sample material

serum, lyophilized, 2 samples each 5 ml

▶ Analytes

| | | |
|---|--------------------------------|---|
| α-amylase | CK, creatine kinase | lipase |
| α-HBDH, lactate dehydrogenase-1-isoenzyme | iron | lithium |
| albumin (chem.) | γ-globulin (electrophoresis) | magnesium |
| albumin (electrophoresis) | γ-GT, L-γ-glutamyl-transferase | sodium |
| alkaline phosphatase | protein, total | osmolality |
| ALT, alanine aminotransferase (GPT) | GLDH, glutamate dehydrogenase | pancreatic amylase |
| AST, aspartate aminotransferase (GOT) | glucose | phosphorus, inorganic |
| bilirubin, direct | uric acid | acid phosphatase, total |
| bilirubin, total | urea | acid phosphatase, prostate (only enzyme activity) |
| calcium | potassium | triglycerides |
| calcium, ionized | creatinine | |
| chloride | copper | |
| cholesterol | lactate | |
| cholinesterase | LDH, lactate dehydrogenase | |

KU - Clinical chemical analytes in urine

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| KU1/24 | 11.12.23 | 09.01.24 | 15.01.24 | 27.01.24 |
| KU2/24 | 19.02.24 | 19.03.24 | 25.03.24 | 06.04.24 |
| KU3/24 | 20.05.24 | 18.06.24 | 24.06.24 | 06.07.24 |
| KU4/24 | 19.08.24 | 17.09.24 | 23.09.24 | 05.10.24 |

€ Fee for each survey, net prices plus VAT

each additional required pair of samples **45,00 €**
29,00 €

> Sample material

urine, lyophilized, 2 samples each 5 ml

> Analytes

| | | | |
|------------------|-----------------------|-------------------|------------------|
| albumin | urea | Test strip | |
| α1-microglobulin | IgG | bilirubin | nitrite |
| α2-macroglobulin | potassium | ketone | specific gravity |
| calcium, total | creatinine | pH | urobilinogen |
| chloride | magnesium | protein | |
| citrate | sodium | glucose | |
| protein, total | osmolality | hemoglobin | |
| glucose | oxalate | leukocytes | |
| uric acid | phosphorus, inorganic | microalbumin | |

> Information

The test for pregnancy from urine will be offered in a separate survey. Please see at KUST.
A diagnosis of proteinuria can also be given. Clinical information will be available.

LP - Lipoproteins

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| LP1/24 | 01.01.24 | 30.01.24 | 05.02.24 | 17.02.24 |
| LP2/24 | 18.03.24 | 16.04.24 | 22.04.24 | 04.05.24 |
| LP3/24 | 03.06.24 | 02.07.24 | 08.07.24 | 20.07.24 |
| LP4/24 | 26.08.24 | 24.09.24 | 30.09.24 | 12.10.24 |

€ Fee for each survey, net prices plus VAT

each additional required pair of samples **54,00 €**
33,00 €

> Sample material

serum, lyophilized, 2 samples each 3 ml

> Analytes

| | | |
|------------------------|--------------|----------------|
| apolipoproteins (A, B) | homocysteine | lipoprotein(a) |
| cholesterol | LDL | triglycerides |
| HDL | | |

PH - Photometer control

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| PH1/24 | 18.12.23 | 23.01.24 | 29.01.24 | 10.02.24 |
| PH2/24 | 22.07.24 | 20.08.24 | 26.08.24 | 07.09.24 |

€ Fee for each survey, net prices plus VAT

34,00 €
each additional required set of samples **24,00 €**

> Sample material

watery coloured solutions, 6 ampoules each 10 ml

> Wave lengths

| | | |
|--------|--------------|--------|
| 260 nm | 340 nm | 546 nm |
| 280 nm | 365 / 366 nm | 560 nm |
| 334 nm | 405 nm | |

> Information

The participant measures the absorption of the coloured solutions.
The survey is an instrument control and can also aid in detecting the smaller inaccuracies of a photometer before they are identified in analyses results.
Only the wavelengths listed can be tested.

RE - Reticulocytes

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| RE1/24 | 01.01.24 | 30.01.24 | 31.01.24 | 07.02.24 |
| RE2/24 | 25.03.24 | 23.04.24 | 24.04.24 | 01.05.24 |
| RE3/24 | 10.06.24 | 09.07.24 | 10.07.24 | 17.07.24 |
| RE4/24 | 09.09.24 | 08.10.24 | 09.10.24 | 16.10.24 |

€ Fee for each survey, net prices plus VAT

61,00 €
each additional required pair of samples **44,00 €**

> Sample material

blood preparation, liquid, 2 samples each about 1 ml

> Analyte

reticulocyte count

> Information

The samples can be used for counting by visual microscopy or by automated cell counting.

RF - Rheumatoid factors

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| RF1/24 | 15.01.24 | 13.02.24 | 19.02.24 | 02.03.24 |
| RF2/24 | 01.04.24 | 30.04.24 | 06.05.24 | 18.05.24 |
| RF3/24 | 24.06.24 | 23.07.24 | 29.07.24 | 10.08.24 |
| RF4/24 | 26.08.24 | 24.09.24 | 30.09.24 | 12.10.24 |

€ Fee for each survey, net prices plus VAT

| material | fee | additional set |
|-----------------|---------|----------------|
| set 1 | 41,00 € | 24,00 € |
| set 2 | 27,50 € | 21,00 € |
| set 1 and set 2 | 58,00 € | |

> Sample material

serum, lyophilized, 2 samples each 1 ml

> Analytes

set 1

rheumatoid factors

anti-CCP-Ab (anti-cyclic citrullinated peptide antibodies)

IgA-RF

IgG-RF

IgM-RF

qualitative and quantitative

set 2

anti-streptolysin O

qualitative and quantitative

SA - Thyroid antibodies

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| SA1/24 | 04.12.23 | 27.02.24 | 04.03.24 | 16.03.24 |
| SA2/24 | 06.05.24 | 30.07.24 | 05.08.24 | 17.08.24 |

€ Fee for each survey, net prices plus VAT

| | |
|--|----------------|
| | 59,00 € |
| each additional required pair of samples | 45,00 € |

> Sample material

serum, lyophilized, 2 samples each 1 ml

> Analytes

TSH-R Ab: thyrotropin-receptor antibodies (TR Ab)

TPO Ab: thyroid peroxidase antibodies (TPO Ab)

TG Ab: thyroglobulin antibodies (TG Ab)

SD - Pregnancy diagnostic

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| SD1/24 | 04.12.23 | 02.01.24 | 08.01.24 | 27.01.24 |
| SD2/24 | 26.02.24 | 26.03.24 | 01.04.24 | 20.04.24 |
| SD3/24 | 20.05.24 | 18.06.24 | 24.06.24 | 13.07.24 |
| SD4/24 | 12.08.24 | 10.09.24 | 16.09.24 | 05.10.24 |

€ Fee for each survey, net prices plus VAT

| material | fee | additional set |
|-----------------|---------|----------------|
| set 1 | 45,00 € | 24,00 € |
| set 2 | 39,00 € | 27,00 € |
| set 1 and set 2 | 76,00 € | |

> Sample material

serum, lyophilized

set 1: 2 samples each 2 ml

set 2: 2 samples each 1 ml

In set 2 (free estriol) nativ, human samples are used.

> Analytes

set 1

AFP

anti-Müllerian hormone (AMH)

hCG

free β -hCG

PAPP-A

set 2

free estriol

> Information

The samples offered in this survey will contain analytes in a concentration range relevant for pregnancy diagnostic. For the qualitative test for pregnancy, please order the survey KUST.

SP - Trace elements in urine

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| SP1/24 | 15.01.24 | 13.02.24 | 19.02.24 | 09.03.24 |
| SP2/24 | 01.07.24 | 30.07.24 | 05.08.24 | 24.08.24 |

€ Fee for each survey, net prices plus VAT

| | |
|--|---------|
| | 53,00 € |
| each additional required pair of samples | 37,00 € |

> Sample material

urine, lyophilized, 2 samples each 10 (2 × 5) ml

> Analytes

aluminium

arsenic

cadmium

chromium

cobalt

copper

fluoride

iron

lead

manganese

mercury

nickel

selenium

zinc

SV - Saliva diagnostic

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| SV1/24 | 04.03.24 | 02.04.24 | 08.04.24 | 20.04.24 |
| SV2/24 | 29.07.24 | 27.08.24 | 02.09.24 | 14.09.24 |

€ Fee for each survey, net prices plus VAT

36,00 €
each additional required pair of samples **26,00 €**

> Sample material

saliva preparation, liquid or lyophilized, 2 samples each 2 ml

> Analytes

cortisol, 17-OH-progesterone

SW - Sweat analysis

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| SW1/24 | 12.02.24 | 12.03.24 | 18.03.24 | 30.03.24 |
| SW2/24 | 08.07.24 | 06.08.24 | 12.08.24 | 24.08.24 |

€ Fee for each survey, net prices plus VAT

36,00 €
each additional required pair of samples **26,00 €**

> Sample material

sweat preparation, liquid or lyophilized, 2 samples each 1 ml

> Analytes

chloride, conductivity

TH - Thrombophilia screening

| Survey | Application deadline | Dispatch date | Closing date |
|--------|----------------------|---------------|--------------|
| TH1/24 | 08.12.23 | 05.03.24 | 08.04.24 |
| TH2/24 | | 21.05.24 | 24.06.24 |
| TH3/24 | | 27.08.24 | 30.09.24 |
| TH4/24 | | 05.11.24 | 09.12.24 |

€ Fee for each survey, net prices plus VAT (Standard shipping included)

Please note, that you can only place one order comprising all two or four surveys of the scheme. Ordering a single survey (one/two times a year) is not possible in this case.

| | Fee |
|---|----------|
| Result submission via internet/report internet, annual subscription fee | 147,00 € |

The following prices are valid in each case for all four surveys:

| | |
|--|----------|
| Thrombophilia module I | 412,50 € |
| Thrombophilia module II | 167,00 € |
| Lupus Anticoagulant / Antiphospholipid Antibodies | 198,50 € |
| Von Willebrand Factor module | 313,50 € |
| ADAMTS-13 - I (activity and antigen) | 219,50 € |
| Factor XIII (activity and antigen) | 156,25 € |
| Fibrinolysis parameters I (Plasminogen, Antiplasmin) | 151,50 € |
| Fibrinolysis parameters II (t-PA, PAI-1) | 151,50 € |
| Unfractionated Heparin Monitoring (anti-Xa) | 136,00 € |
| Low-Molecular Weight Heparin Monitoring (anti-Xa) | 136,00 € |

The following prices are valid in each case for all two surveys:

| | |
|---------------------------------|----------|
| Faktor VIII Inhibitor | 206,50 € |
| Thrombin generation test | 157,50 € |
| ADAMTS-13 - II (antibodies) | 143,75 € |
| Factor IX Inhibitor | 206,50 € |
| HIT I - (Immunological testing) | 235,00 € |

The following prices are valid in each case for one survey

| | |
|---|----------|
| ADAMTS-13 - III (functional inhibitor) test | 104,50 € |
|---|----------|

▶ Sample material

plasma or serum, human, lyophilized, ca. 0,5 - 1 ml (1 or 2 sample(s) each)

▶ Analytes 4 per year: TH1/24, TH2/24, TH3/24, TH4/24

Thrombophilia module I

Includes an annual report on the long-term evaluation of test results.

| | |
|---|------------------------------------|
| Antithrombin (activity and antigen) | Protein S activity |
| Protein C (activity [chromogenic and clotting] and antigen) | Protein S antigen (free and total) |

Thrombophilia module II (APC Resistance)

Lupus Anticoagulant / Antiphospholipid Antibodies

Von Willebrand Factor module (antigen, ristocetin cofactor activity, activity, collagen binding, multimers, Factor VIII)

ADAMTS-13 - I (activity and antigen)

Factor XIII (activity and antigen)

Fibrinolysis parameters I (Plasminogen, Antiplasmin)

Fibrinolysis parameters II (t-PA, PAI-1)

Unfractionated Heparin Monitoring (anti-Xa)

Low-Molecular Weight Heparin Monitoring (anti-Xa)

▶ Analytes 2 per year:

Faktor VIII Inhibitor (TH2/24 + TH4/24)

Thrombin Generation Test (TH1/24 + TH3/24)

ADAMTS-13 - II (antibodies) (TH2/24 + TH4/24)

Faktor IX Inhibitor (TH1/24 + TH3/24)

HIT - I Immunological testing (TH1/24 + TH3/24)

▶ Analytes 1 per year:

ADAMTS-13 - III (functional inhibitor) (TH2/24)

➤ **Information**

In cooperation with the Dutch organization ECAT, the Reference Institute for Bioanalytics provides special surveys for thrombophilia screening.

The preparation of the survey material, what is in most cases native patient material, the mailing of samples, and the evaluation is done by our colleagues from the Netherlands.

Sample material

The samples will consist of lyophilized human plasma or serum with different volumes (0,5 to 1 ml).

Per analyte or set of analytes, you will get one or two sample(s).

Please note our deadline for the order, and please use for the applications the special application form! We can not accept cancellations during the annual program.

The result submission is only possible via internet.

This survey is not subject of the accredited area of the RfB.

The registration form for this survey you will find on page 67/68.

TM - Tumor markers group 1

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| TM1/24 | 04.12.23 | 02.01.24 | 08.01.24 | 27.01.24 |
| TM2/24 | 26.02.24 | 26.03.24 | 01.04.24 | 20.04.24 |
| TM3/24 | 20.05.24 | 18.06.24 | 24.06.24 | 13.07.24 |
| TM4/24 | 12.08.24 | 10.09.24 | 16.09.24 | 05.10.24 |

€ **Fee for each survey, net prices plus VAT**

| | |
|---|----------------|
| evaluation pair analytical results | 48,00 € |
| 1-2 | |
| each additional 4 pairs of analytical results | 5,00 € |
| each additional required pair of samples | 38,00 € |

➤ **Sample material**

serum, lyophilized, 2 samples each 2,5 ml

➤ **Analytes**

| | | | |
|---------|------------|---|---------------|
| AFP | calcitonin | β-2-microglobulin | S-100 |
| CA 15-3 | CEA | PAP (only mass concentration, no enzyme activity) | SCC |
| CA 19-9 | CYFRA | PSA | thyroglobulin |
| CA 72-4 | hCG | cPSA (complexed PSA) | TPA |
| CA 125 | NSE | PSA free | TPS |

TMX - Tumor markers group 2

| Survey | Application deadline | Sample dispatch date | survey period | |
|---------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| TMX1/24 | 04.12.23 | 02.01.24 | 08.01.24 | 27.01.24 |
| TMX2/24 | 26.02.24 | 26.03.24 | 01.04.24 | 20.04.24 |
| TMX3/24 | 20.05.24 | 18.06.24 | 24.06.24 | 13.07.24 |
| TMX4/24 | 12.08.24 | 10.09.24 | 16.09.24 | 05.10.24 |

€ **Fee for each survey, net prices plus VAT**

| | |
|--|----------------|
| | 38,00 € |
| each additional required pair of samples | 28,00 € |

➤ **Sample material**

serum, lyophilized, 2 samples each 1 ml

➤ **Analytes**

| | | |
|----------------|--|-------|
| chromogranin A | human epidermal growth factor receptor 2 | CA 50 |
|----------------|--|-------|

TR - Clinical chemical analytes in serum „dry chemistry“

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| TR1/24 | 04.12.23 | 02.01.24 | 08.01.24 | 20.01.24 |
| TR2/24 | 19.02.24 | 19.03.24 | 25.03.24 | 06.04.24 |
| TR3/24 | 27.05.24 | 25.06.24 | 01.07.24 | 13.07.24 |
| TR4/24 | 23.09.24 | 22.10.24 | 28.10.24 | 09.11.24 |

€ Fee for each survey, net prices plus VAT

| | | |
|---|-----|---------|
| evaluation pair analytical results | 1-8 | 46,50 € |
| each additional 4 pairs of analytical results | | 4,00 € |
| each additional required pair of samples | | 25,00 € |

> Sample material

serum, lyophilized, 2 samples each 5 ml

> Analytes

| | | |
|---------------------------------------|--------------------------------|----------------------|
| α-amylase | iron | lithium |
| albumin | γ-GT, L-γ-glutamyl transferase | magnesium |
| alkaline phosphatase | protein, total | sodium |
| ALT, alanine-aminotransferase (GPT) | glucose | pancreatic amylase |
| AST, aspartate-aminotransferase (GOT) | uric acid | phosphorus inorganic |
| bilirubin, total | urea | triglycerides |
| calcium | potassium | |
| chloride | creatinine | |
| cholesterol | lactate | |
| cholinesterase | LDH, lactate dehydrogenase | |
| CK, creatine kinase | lipase | |

> Information

This offer is addressed to users of Vitros and Reflotron systems and other „dry chemistry“ instruments.

VT - Vitamins and analgesics

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| VT1/24 | 29.01.24 | 27.02.24 | 04.03.24 | 16.03.24 |
| VT2/24 | 01.07.24 | 30.07.24 | 05.08.24 | 17.08.24 |

€ Fee for each survey, net prices plus VAT

| | |
|--|---------|
| | 48,00 € |
| each additional required pair of samples | 30,00 € |

> Sample material

serum, lyophilized, 2 samples each 3 ml

> Analytes

| | | |
|-------------------------|---|---------------------------|
| vitamin A | (retinol) | folic acid |
| vitamin B ₆ | (pyridoxal-5-phosphate) | salicylic acid |
| vitamin B ₁₂ | (cyanocobalamin) | paracetamol/acetaminophen |
| vitamin B ₁ | (thiamine) | |
| vitamin D | 25-OH-D3 (25-OH-cholecalciferol), 25-(OH) ₂ -D3 and 25-OH-vitamin D total | |
| vitamin E | (tocopherol) | |

ZL - Cell count in cerebrospinal fluid (CSF)

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| ZL1/24 | 27.11.23 | 27.02.24 | 04.03.24 | 09.03.24 |
| ZL2/24 | 10.06.24 | 10.09.24 | 16.09.24 | 21.09.24 |

€ Fee for each survey, net prices plus VAT

75,50 €
each additional required pair of samples **52,00 €**

> Sample material

punctuated, liquid, 2 samples each about 2 ml

> Analytes

erythrocyte count
leukocyte count

> Information

In this survey, erythrocytes (RBC) and leukocytes (WBC) can be counted with visual methods (microscope) or electronic methods from a cerebrospinal fluid. This survey is only addressed to methods that can detect erythrocytes < 500/μl. If the detection limit of the method for erythrocytes = 1,000/μl, participation in the survey Bodyfluid (BF) is recommended.

ZY - Cytokines

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| ZY1/24 | 15.01.24 | 13.02.24 | 19.02.24 | 02.03.24 |
| ZY2/24 | 25.03.24 | 23.04.24 | 29.04.24 | 11.05.24 |
| ZY3/24 | 24.06.24 | 23.07.24 | 29.07.24 | 10.08.24 |
| ZY4/24 | 23.09.24 | 22.10.24 | 28.10.24 | 09.11.24 |

€ Fee for each survey, net prices plus VAT

48,00 €
each additional required pair of samples **32,00 €**

> Sample material

serum, lyophilized, 2 samples each 2 ml

> Analytes

| | |
|--------------------------|--|
| Interleukin-1 β (IL-1 β) | lipopolysaccharide-binding-protein (LBP) |
| Interleukin-6 (IL-6) | procalcitonin (PCT) |
| Interleukin-8 (IL-8) | soluble IL-2 receptor (sIL-2R) |
| Interleukin-10 (IL-10) | tumor necrosis factor-alpha (TNFα) |

PCT-POCT
IL-6-POCT

Qualitative determinations

AI - Antinuclear antibodies

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| AI1/24 | 11.12.23 | 20.02.24 | 26.02.24 | 09.03.24 |
| AI2/24 | 03.06.24 | 13.08.24 | 19.08.24 | 31.08.24 |

€ Fee for each survey, net prices plus VAT

| material | fee | additional set |
|------------------------|-----------------|----------------|
| set 1 | 80,00 € | 44,00 € |
| set 2 | 75,50 € | 44,00 € |
| set 1 and set 2 | 139,00 € | |

> Sample material

serum/plasma, lyophilized set 1: about 6 samples each 0,5 ml
 set 2: about 6 samples each 0,5 ml

> Analytes

set 1

ANA (antinuclear ab)
 ENA (extractable antinuclear ab)
 ds-DNA-ab
 ANCA (antineutrophil cytoplasmatic ab)

set 2

AMA (antimitochondrial ab)
 SMA (smooth muscle ab)
 LKM-1 (liver-kidney-microsomes)
 GBM (glomerular base membran ab)
 Antiphospholipide ab
 Celiac disease ab
 Onconeural ab

AL - Allergology

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| AL1/24 | 08.01.24 | 06.02.24 | 12.02.24 | 24.02.24 |
| AL2/24 | 01.04.24 | 30.04.24 | 06.05.24 | 18.05.24 |
| AL3/24 | 24.06.24 | 23.07.24 | 29.07.24 | 10.08.24 |
| AL4/24 | 26.08.24 | 24.09.24 | 30.09.24 | 12.10.24 |

€ Fee for each survey, net prices plus VAT

| material | fee | additional set |
|------------------------|----------------|----------------|
| set 1 | 32,00 € | 13,00 € |
| set 2 | 70,00 € | 47,00 € |
| set 1 and set 2 | 84,00 € | |

> Sample material

serum, lyophilized set 1: 2 samples each 1 ml for IgE total
 serum, lyophilized set 2: 2 samples each 1 ml for specific IgE antibodies

The volume of the specimens can be different depending on the producer.

The samples for the determination of specific IgE-antibodies (set 2) contain seasonal and perennial allergens from inhalation, food, and insects. Expected the following allergens will be offered (changes may be possible):

AL1/24: Ragweed (w1), Been venom (i1), Ash pollen (t25), Hazelnut (f17), Dog dander (e5), Milbe (d2)

AL2/24: A. fumigatus (m3), Mugwort (w6), Birch pollen (t3), C. herbarum (m2), Milk protein (f2), Wasp venom (i3)

AL3/24: Pear (f94), Alder pollen (t2), Mite (d1), Plantain (w9), Tomato (f25), Wasp venom (i3)

AL4/24: Maple pollen (t1), Bee venom (i1), Strawberry (f44), House dust (h1), Horse dander (e3), Rey flour (f5)

> Analytes

IgE specific IgE antibodies

> Information

From a large number of possible IgE-antibodies, we will supply changing groups of antibodies for investigation. It is also possible to give a classification of the stage of sensibilisation.

BorrBimm - Anti-Borrelia burgdorferi

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| BorrBimm1/24 | 15.04.24 | 21.05.24 | 27.05.24 | 08.06.24 |
| BorrBimm2/24 | 15.07.24 | 17.09.24 | 23.09.24 | 05.10.24 |

€ Fee for each survey, net prices plus VAT

58,00 €
each additional required set of samples **32,00 €**

▶ Sample material

4 liquid samples of defibrinated plasma or serum

▶ Analytes

Anti-Borrelia burgdorferi IgG,
including confirmation test

Anti-Borrelia burgdorferi IgM

Anti-Borrelia burgdorferi total

CMVimm - CMV Serology

| Survey | Application deadline | Sample dispatch date | survey period | |
|------------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| CMVimm1/24 | 01.01.24 | 05.03.24 | 11.03.24 | 23.03.24 |
| CMVimm2/24 | 17.06.24 | 20.08.24 | 26.08.24 | 07.09.24 |

€ Fee for each survey, net prices plus VAT

97,00 €
each additional required set of samples **49,00 €**

▶ Sample material

4 liquid samples of defibrinated plasma or serum

▶ Analytes

Anti-CMV IgG + total

Anti-CMV IgM

DF - Hematology - Differential blood count

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| DF1/24 | 18.12.23 | 16.01.24 | 22.01.24 | 03.02.24 |
| DF2/24 | 18.03.24 | 16.04.24 | 22.04.24 | 04.05.24 |
| DF3/24 | 10.06.24 | 09.07.24 | 15.07.24 | 27.07.24 |
| DF4/24 | 19.08.24 | 17.09.24 | 23.09.24 | 05.10.24 |

€ Fee for each survey, net prices plus VAT

49,00 €

each additional required pair of samples

30,00 €

> Sample material

2 blood slides, **stained** Pappenheim. Both slides are normally also available by smears of virtual microscopy

> Information

Differentiation in %; morphology of leukocytes, erythrocytes and thrombocytes as well as quantitative change in leukocytes and thrombocytes, tentative diagnosis.

DS - Drug screening in urine

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| DS1/24 | 08.01.24 | 06.02.24 | 12.02.24 | 24.02.24 |
| DS2/24 | 01.04.24 | 30.04.24 | 06.05.24 | 18.05.24 |
| DS3/24 | 17.06.24 | 16.07.24 | 22.07.24 | 03.08.24 |
| DS4/24 | 23.09.24 | 22.10.24 | 28.10.24 | 09.11.24 |

€ Fee for each survey, net prices plus VAT

64,00 €

each additional required pair of samples

38,00 €

> Sample material

urine, lyophilized, 2 samples each 10 ml

> Analytes

| | | | |
|-----------------|----------------------|--------------------------|----------------------|
| amphetamine | (about 30 different) | methadon/metab. | |
| barbiturates | (about 30 different) | methylphenidate | |
| benzodiazepines | (about 50 different) | opiates/opioide | (about 30 different) |
| buprenorphine | | phencyclidine | |
| cannabinoids | | pregabalin | |
| cocain/metab. | | tramadol | |
| fentanyl | | tricycl. antidepressants | (about 10 different) |
| LSD | | | |

> Information

Per survey, the samples do contain selected drugs from a lot of substances of a drug group. The parameters specified in this survey are to be determined primarily by means of qualitative immunoassays. In this survey, users of chromatographic methods are required to merely provide the confirmatory analysis for one lead compound. We offer systematic toxicological analysis in the SX survey as well as in the TX survey, which is additionally to be assessed clinically with a case history.

EBVimm - Epstein-Barr-Virus serology

| Survey | Application deadline | Sample dispatch date | survey period | |
|------------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| EBVimm1/24 | 15.01.24 | 20.02.24 | 26.02.24 | 09.03.24 |
| EBVimm2/24 | 29.07.24 | 03.09.24 | 09.09.24 | 21.09.24 |

€ Fee for each survey, net prices plus VAT

92,00 €
each additional required set of samples **46,00 €**

> Sample material

plasma, 4 samples, each 500 µl

> Analytes

| | |
|------------------------|-----------|
| EBV-EBNA | IgG |
| EBV-VCA | IgG + IgM |
| EBV-EA (early antigen) | IgG |

HAVimm - HAV serology

| Survey | Application deadline | Sample dispatch date | survey period | |
|------------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| HAVimm1/24 | 01.01.24 | 05.03.24 | 11.03.24 | 23.03.24 |
| HAVimm2/24 | 17.06.24 | 20.08.24 | 26.08.24 | 07.09.24 |

€ Fee for each survey, net prices plus VAT

78,00 €
each additional required set of samples **52,00 €**

> Sample material

4 liquid samples of defibrinated plasma or serum

> Analytes

| | | |
|--------------|--------------|----------------|
| Anti-HAV IgG | Anti-HAV IgM | Anti-HAV total |
|--------------|--------------|----------------|

HBVimm1 - HBV serology minor

| Survey | Application deadline | Sample dispatch date | survey period | |
|-------------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| HBVimm11/24 | 01.01.24 | 05.03.24 | 11.03.24 | 23.03.24 |
| HBVimm12/24 | 17.06.24 | 20.08.24 | 26.08.24 | 07.09.24 |

€ Fee for each survey, net prices plus VAT

102,00 €
each additional required set of samples **52,00 €**

> Sample material

4 liquid samples of defibrinated plasma or serum

> Analytes

| | | |
|-----------------------------|----------|----------|
| HBsAg | Anti-HBs | Anti-HBc |
| including confirmation test | | |

HBVimm2 - HBV serology major

| Survey | Application deadline | Sample dispatch date | survey period | |
|-------------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| HBVimm21/24 | 01.01.24 | 05.03.24 | 11.03.24 | 23.03.24 |
| HBVimm22/24 | 17.06.24 | 20.08.24 | 26.08.24 | 07.09.24 |

€ Fee for each survey, net prices plus VAT

130,00 €
each additional required set of samples 62,00 €

> Sample material

4 liquid samples of defibrinated plasma or serum

> Analytes

| | | |
|----------|----------|--------------|
| HBsAg | Anti-HBc | Anti-HBe |
| Anti-HBs | HBe | Anti-HBc-IgM |

including confirmation test

HCVimm - HCV serology

| Survey | Application deadline | Sample dispatch date | survey period | |
|------------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| HCVimm1/24 | 01.01.24 | 05.03.24 | 11.03.24 | 23.03.24 |
| HCVimm2/24 | 17.06.24 | 20.08.24 | 26.08.24 | 07.09.24 |

€ Fee for each survey, net prices plus VAT

99,00 €
each additional required set of samples 52,00 €

> Sample material

4 liquid samples of defibrinated plasma or serum

> Analytes

Anti-HCV IgG + IgM

HerpVimm - Herpes viruses serology

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| HerpVimm1/24 | 15.01.24 | 20.02.24 | 26.02.24 | 09.03.24 |
| HerpVimm2/24 | 29.07.24 | 03.09.24 | 09.09.24 | 21.09.24 |

€ Fee for each survey, net prices plus VAT

set 1 86,00 €
set 2 86,00 €
set 1 + 2 142,00 €
each additional required set of samples 46,00 €

> Sample material

plasma, 4 samples, each 500 µl

> Analytes

Set 1: Anti-HSV -1/-2, IgG + IgM
Set 2: Anti-VZV, IgG + IgM

HIVimm - HIV serology

| Survey | Application deadline | Sample dispatch date | survey period | |
|------------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| HIVimm1/24 | 01.01.24 | 05.03.24 | 11.03.24 | 23.03.24 |
| HIVimm2/24 | 17.06.24 | 20.08.24 | 26.08.24 | 07.09.24 |

€ Fee for each survey, net prices plus VAT

130,00 €
each additional required set of samples **62,00 €**

> Sample material

4 liquid samples of defibrinated plasma or serum

> Analytes

Anti-HIV -1/-2 Ak / Ag(p24)

HS - Urinary calculus

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| HS1/24 | 08.01.24 | 06.02.24 | 12.02.24 | 24.02.24 |
| HS2/24 | 01.07.24 | 30.07.24 | 05.08.24 | 17.08.24 |

€ Fee for each survey, net prices plus VAT

45,00 €
each additional required set of samples **22,00 €**

> Sample material

4 samples of pulverized urinary calculus components (pure, mixed, human stones)

> Information

Together with the evaluation of the survey, you will get IR-spectra, which you can collect for an IR-catalog.

HTLVimm - Human T-lymphotropic virus

| Survey | Application deadline | Sample dispatch date | survey period | |
|-------------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| HTLVimm1/24 | 08.01.24 | 06.02.24 | 12.02.24 | 24.02.24 |
| HTLVimm2/24 | 01.07.24 | 30.07.24 | 05.08.24 | 17.08.24 |

€ Fee for each survey, net prices plus VAT

99,00 €
each additional required set of samples **47,00 €**

> Sample material

lyophilized plasma, 4 samples

> Analyt

Anti-HTLV -1/-2 IgG

IA - Immunohematology for automated systems

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| IA1/24 | 01.01.24 | 30.01.24 | 31.01.24 | 10.02.24 |
| IA2/24 | 18.03.24 | 16.04.24 | 17.04.24 | 27.04.24 |
| IA3/24 | 24.06.24 | 23.07.24 | 24.07.24 | 03.08.24 |
| IA4/24 | 16.09.24 | 15.10.24 | 16.10.24 | 26.10.24 |

€ Fee for each survey, net prices plus VAT

88,50 €
each additional required set of samples **43,00 €**

▶ Sample material

whole blood, liquid 2 samples each about 2,5 ml

▶ Analytes

| | |
|--------------------------------|---------------------|
| AB0-system (blood groups) | Cw antigen |
| A-subgroups | Kell antigen |
| rhesus-factor (D-variants) | direct Coombs' test |
| rhesus-system (rhesus-formula) | antibody test |

IH - Immunohematology Major (extended offer)

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| IH1/24 | 15.01.24 | 13.02.24 | 14.02.24 | 24.02.24 |
| IH2/24 | 25.03.24 | 23.04.24 | 24.04.24 | 04.05.24 |
| IH3/24 | 27.05.24 | 25.06.24 | 26.06.24 | 06.07.24 |
| IH4/24 | 02.09.24 | 01.10.24 | 02.10.24 | 12.10.24 |

€ Fee for each survey, net prices plus VAT

64,00 €
each additional required set of samples **31,00 €**

▶ Sample material

erythrocyte suspension, liquid 2 samples each about 2 ml
serum, liquid 2 samples each about 6 ml

▶ Analytes

| | | |
|--------------------------------|---------------------|----------------------------------|
| AB0-system (blood groups) | Cw antigen | antibody differentiation (serum) |
| A-subgroups | Kell antigen | antibody titer |
| rhesus-factor (D-variants) | direct Coombs' test | |
| rhesus-system (rhesus-formula) | antibody test | |

▶ Information

In this survey - in addition to the analytes of the basic program (Minor) - includes antibody differentiation.

IM - Immunohematology Minor (basic programm)

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| IM1/24 | 15.01.24 | 13.02.24 | 14.02.24 | 24.02.24 |
| IM2/24 | 25.03.24 | 23.04.24 | 24.04.24 | 04.05.24 |
| IM3/24 | 27.05.24 | 25.06.24 | 26.06.24 | 06.07.24 |
| IM4/24 | 02.09.24 | 01.10.24 | 02.10.24 | 12.10.24 |

€ Fee for each survey, net prices plus VAT

54,50 €
each additional required set of samples 26,00 €

> Sample material

erythrocyte suspension, liquid 2 samples about 2 ml
serum, liquid 2 samples about 3 ml

> Analytes

| | | |
|----------------------------|--------------------------------|---------------------|
| AB0-system (blood groups) | rhesus-system (rhesus-formula) | Kell antigen |
| A-subgroups | Cw antigen | direct Coombs' test |
| rhesus-factor (D-variants) | | antibody test |

KUST - Clinical chemistry in urine, test strip and pregnancy test, qualitative

| Survey | Application deadline | Sample dispatch date | survey period | |
|----------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| KUST1/24 | 11.12.23 | 09.01.24 | 15.01.24 | 27.01.24 |
| KUST2/24 | 19.02.24 | 19.03.24 | 25.03.24 | 06.04.24 |
| KUST3/24 | 20.05.24 | 18.06.24 | 24.06.24 | 06.07.24 |
| KUST4/24 | 19.08.24 | 17.09.24 | 23.09.24 | 05.10.24 |

€ Fee for each survey, net prices plus VAT

26,50 €
each additional required pair of samples 16,00 €

> Sample material

urine, lyophilized qualitative, 2 samples each 5 ml, investigation for test strips

> Analytes

| | | | |
|-------------------|--------------|------------------|-----------------------|
| Test strip | protein | leukocytes | pregnancy test |
| bilirubin | glucose | nitrite | |
| ketone | microalbumin | specific gravity | |
| pH | hemoglobin | urobilinogen | |

MaMulmm - Morbilli and mumps serology

| Survey | Application deadline | Sample dispatch date | survey period | |
|-------------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| MaMulmm1/24 | 15.01.24 | 20.02.24 | 26.02.24 | 09.03.24 |
| MaMulmm2/24 | 29.07.24 | 03.09.24 | 09.09.24 | 21.09.24 |

€ Fee for each survey, net prices plus VAT

set 1 86,00 €
set 2 86,00 €
set 1 + 2 146,00 €
each additional required set of samples 46,00 €

> Sample material

plasma, 4 samples, each 500 µl

> Analytes

set 1: anti morbilli virus IgG + IgM
set 2: anti mumps virus IgG + IgM

OB - Oligoclonal bands in cerebrospinal fluid (CSF)

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| OB1/24 | 29.01.24 | 27.02.24 | 04.03.24 | 23.03.24 |
| OB2/24 | 15.07.24 | 13.08.24 | 19.08.24 | 07.09.24 |

€ Fee for each survey, net prices plus VAT

44,00 €
each additional required pair of samples **23,00 €**

> Sample material

CSF, lyophilized or liquid 2 samples each 1 ml
serum, lyophilized or liquid 2 samples each 1 ml

> Analytes

oligoclonal bands in cerebrospinal fluid; diagnosis can be given.

pvB19imm - Parvovirus B19 serology

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| pvB19imm1/24 | 01.01.24 | 05.03.24 | 11.03.24 | 23.03.24 |
| pvB19imm2/24 | 17.06.24 | 20.08.24 | 26.08.24 | 07.09.24 |

€ Fee for each survey, net prices plus VAT

100,00 €
each additional required set of samples **52,00 €**

> Sample material

4 liquid samples of defibrinated plasma or serum

> Analytes

Anti-Parvovirus B19 IgG + total Anti-Parvovirus B19 IgM

RoetLimm - Anti-Rubella-Virus

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| RoetLimm1/24 | 15.04.24 | 21.05.24 | 27.05.24 | 08.06.24 |
| RoetLimm2/24 | 15.07.24 | 17.09.24 | 23.09.24 | 05.10.24 |

€ Fee for each survey, net prices plus VAT

51,00 €
each additional required set of samples **27,00 €**

> Sample material

4 liquid samples of defibrinated plasma or serum

> Analytes

Anti-Rubella-Virus IgG Anti-Rubella-Virus IgM

SX - Systematic toxicologic analysis

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| SX1/24 | 18.03.24 | 16.04.24 | 22.04.24 | 11.05.24 |
| SX2/24 | 08.07.24 | 06.08.24 | 12.08.24 | 31.08.24 |

€ Fee for each survey, net prices plus VAT

94,00 €
each additional required pair of samples **62,00 €**

> Sample material

urine, lyophilized, 2 samples each 10 ml

> Analytes

From a list of 30 substances (www.rfb.bio/cgi/analists/SX/en), the proof of 6 - 8 substances with chromatographic methods is required in both samples.

ToxoGimm - Anti-Toxoplasma-gondii

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| ToxoGimm1/24 | 15.04.24 | 21.05.24 | 27.05.24 | 08.06.24 |
| ToxoGimm2/24 | 15.07.24 | 17.09.24 | 23.09.24 | 05.10.24 |

€ Fee for each survey, net prices plus VAT

51,50 €
each additional required set of samples **29,00 €**

> Sample material

4 liquid samples of defibrinated plasma or serum

> Analytes

Anti-Toxoplasma-gondii IgG Anti-Toxoplasma-gondii IgM Anti-Toxoplasma-gondii total

TrepPimm - Anti-Treponema pallidum

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| TrepPimm1/24 | 15.04.24 | 21.05.24 | 27.05.24 | 08.06.24 |
| TrepPimm2/24 | 15.07.24 | 17.09.24 | 23.09.24 | 05.10.24 |

€ Fee for each survey, net prices plus VAT

51,50 €
each additional required set of samples **29,00 €**

> Sample material

4 liquid samples of defibrinated plasma or serum

> Analytes

Anti-Treponema pallidum IgG Anti-Treponema pallidum IgM Anti-Treponema pallidum total

TX - Toxicologic analyses

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| TX1/24 | 08.01.24 | 06.02.24 | 12.02.24 | 24.02.24 |
| TX2/24 | 17.06.24 | 16.07.24 | 22.07.24 | 03.08.24 |

€ Fee for each survey, net prices plus VAT

55,00 €
each additional required pair of samples **40,00 €**

> Sample material

urine, lyophilized 2 samples 5 ml
serum, lyophilized 1 sample 5 ml

> Analytes

qualitative search for foreign substances in urine/serum

> Information

The samples contain one or more pharmaceutical drugs or toxic agents. Together with a patient history, the substances found should be interpreted. In general, the use of chromatographic methods is essential to succeed in this survey.

US - Urine sediment

| Survey | Application deadline | Dispatch date of instruction | survey period | |
|--------|----------------------|------------------------------|---------------|----------|
| | | | from | to |
| US1/24 | 12.02.24 | 12.03.24 | 18.03.24 | 13.04.24 |
| US2/24 | 19.08.24 | 17.09.24 | 23.09.24 | 19.10.24 |

€ Fee for each survey, net prices plus VAT

26,00 €

> Sample material

web-based, virtual microscopy of two urine sediments

> Analytes

Qualitative and semi-quantitative determinations
Morphology

VariAimm - Various immunological analytes

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| VariAimm1/24 | 15.04.24 | 21.05.24 | 27.05.24 | 08.06.24 |
| VariAimm2/24 | 15.07.24 | 17.09.24 | 23.09.24 | 05.10.24 |

€ Fee for each survey, net prices plus VAT

46,50 €
each additional required set of samples **28,00 €**

> Sample material

4 liquid samples of defibrinated plasma or serum

> Analytes

set 1: Anti-Echinococcus IgG
set 2: Anti-Entamoeba histolytica IgG
set 3: Anti-Plasmodium total
set 4: Anti-Schistosoma IgG
set 5: Anti-Candida albicans IgG
set 6: Anti-Streptokokken-Desoxyribonuklease IgG

ZZ - Cerebrospinal fluid cytology

| Survey | Application deadline | Dispatch date of instruction | survey period from | to |
|--------|----------------------|------------------------------|--------------------|----------|
| ZZ1/24 | 08.04.24 | 07.05.24 | 13.05.24 | 25.05.24 |
| ZZ2/24 | 19.08.24 | 17.09.24 | 23.09.24 | 05.10.24 |

€ **Fee for each survey, net prices plus VAT**

46,00 €

▶ **Sample material**

web-based assessment of cytospin preparation with clinical case history, 2 samples

▶ **Analytes**

Both preparations are to be assessed for morphology and diagnosis

Direct detection of pathogens

BA - Bacteriology Major

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| BA1/24 | 12.02.24 | 07.05.24 | 13.05.24 | 25.05.24 |
| BA2/24 | 08.07.24 | 01.10.24 | 07.10.24 | 19.10.24 |

€ **Fee for each survey, net prices plus VAT**

96,00 €

➤ **Sample material**

lyophilized control samples, 5 strains (samples A to E)

➤ **Investigation target**

identification and resistance testing

BakNAT1 - Genome evidence group 1

| Survey | Application deadline | Sample dispatch date | survey period | |
|-------------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| BakNAT11/24 | 18.03.24 | 07.05.24 | 13.05.24 | 25.05.24 |
| BakNAT12/24 | 26.08.24 | 15.10.24 | 21.10.24 | 02.11.24 |

€ **Fee for each survey, net prices plus VAT**

one set 175,00 €
each additional required set 61,00 €

➤ **Sample material**

lyophilized DNA, 4 samples

➤ **Analytes**

set 1: Bordetella pertussis
set 2: Chlamydia pneumoniae
set 3: Mycoplasma pneumoniae
set 6: Legionella pneumophila
set 7: MRSA

BakNAT2 - Genome evidence group 2

| Survey | Application deadline | Sample dispatch date | survey period | |
|-------------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| BakNAT21/24 | 18.03.24 | 07.05.24 | 13.05.24 | 25.05.24 |
| BakNAT22/24 | 26.08.24 | 15.10.24 | 21.10.24 | 02.11.24 |

€ Fee for each survey, net prices plus VAT

| | |
|------------------------------|----------|
| one set | 175,00 € |
| each additional required set | 61,00 € |

> Sample material

lyophilized DNA, 4 samples

> Analytes

set 1: Salmonella enterica
 set 2: EHEC/STEC
 set 3: Helicobacter pylori
 set 4: Listeria monocytogenes
 set 5: Borrelia burgdorferi

BakNAT3 - Genome evidence group 3

| Survey | Application deadline | Sample dispatch date | survey period | |
|-------------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| BakNAT31/24 | 18.03.24 | 07.05.24 | 13.05.24 | 25.05.24 |
| BakNAT32/24 | 26.08.24 | 15.10.24 | 21.10.24 | 02.11.24 |

€ Fee for each survey, net prices plus VAT

| | |
|------------------------------|----------|
| one set | 175,00 € |
| each additional required set | 61,00 € |

> Sample material

lyophilized DNA, 4 samples

> Analytes

set 1: Chlamydia trachomatis
 set 2: Neisseria gonorrhoeae

BakNAT4 - Genome evidence group 3

| Survey | Application deadline | Sample dispatch date | survey period | |
|-------------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| BakNAT41/24 | 18.03.24 | 07.05.24 | 13.05.24 | 25.05.24 |
| BakNAT42/24 | 26.08.24 | 15.10.24 | 21.10.24 | 02.11.24 |

€ Fee for each survey, net prices plus VAT

| | |
|------------------------------|----------|
| one set | 175,00 € |
| each additional required set | 61,00 € |

> Sample material

lyophilized DNA, 4 samples

> Analytes

set 1: Coxiella burnetii
 set 2: Francisella tularensis

BAK-TK - Proficiency panel to detect bacteria in platelet concentrates

| Survey | Application deadline | Sample dispatch date | survey period | |
|-------------------------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| BAK-TK1/24 Set 1 | 18.03.24 | 17.04.24 | 18.04.24 | 19.04.24 |
| BAK-TK1/24 Set 2 + 3 | 18.03.24 | 17.04.24 | 18.04.24 | 01.05.24 |
| BAK-TK2/24 Set 1 | 14.10.24 | 13.11.24 | 14.11.24 | 15.11.24 |
| BAK-TK2/24 Set 2 + 3 | 14.10.24 | 13.11.24 | 14.11.24 | 27.11.24 |

€ Fee for each survey, net prices plus VAT

| | | | |
|-------|----------|---------------|----------|
| set 1 | 200,00 € | set 1 + 2 | 250,00 € |
| set 2 | 150,00 € | set 2 + 3 | 250,00 € |
| | | set 1 + 2 + 3 | 350,00 € |

▶ Sample material

set 1: 6 samples of platelet concentrates
set 2 + 3: 6 samples of platelet concentrates

▶ Investigation target

set 1: Detection with rapid methods
set 2: Detection with culture methods
set 3: Identification of bacteria

▶ Information

Set 3 can only be ordered in conjunction with set 2.
Due to German postal regulations for infectious material, these surveys cannot be delivered to participants outside Germany.

BM - Bacteriology Minor

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| BM1/24 | 12.02.24 | 07.05.24 | 13.05.24 | 25.05.24 |
| BM2/24 | 08.07.24 | 01.10.24 | 07.10.24 | 19.10.24 |

€ Fee for each survey, net prices plus VAT

76,00 €

▶ Sample material

lyophilized control samples, 3 strains (samples A to C)

▶ Investigation target

identification and resistance testing

B-Stscre - B-Streptococci screening

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| B-Stscre1/24 | 29.01.24 | 19.03.24 | 25.03.24 | 06.04.24 |
| B-Stscre2/24 | 12.08.24 | 01.10.24 | 07.10.24 | 19.10.24 |

€ Fee for each survey, net prices plus VAT

87,00 €

▶ Sample material

4 samples, gel smear tubes

▶ Analytes

B-Streptococci screening for cultural evidence and NAT-methods

CdToxin - Clostridioides (Clostridium) difficile toxin genome

| Survey | Application deadline | Sample dispatch date | survey period | |
|-------------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| CdToxin1/24 | 29.01.24 | 19.03.24 | 25.03.24 | 06.04.24 |
| CdToxin2/24 | 12.08.24 | 01.10.24 | 07.10.24 | 19.10.24 |

€ Fee for each survey, net prices plus VAT

130,00 €
each additional required set of samples **50,00 €**

> Sample material

4 lyophilized control samples

> Analyte

Clostridioides (Clostridium) difficile toxin genome
Detection Ribotype 027

ChlamTra - Chlamydia trachomatis AG

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| ChlamTra1/24 | 18.03.24 | 07.05.24 | 13.05.24 | 25.05.24 |
| ChlamTra2/24 | 26.08.24 | 15.10.24 | 21.10.24 | 02.11.24 |

€ Fee for each survey, net prices plus VAT

53,00 €
each additional required set of samples **28,00 €**

> Sample material

urine, 4 samples, each 0,5 ml

> Analyte

Chlamydia trachomatis antigen

CoVag - Evidence of SARS-CoV-2 antigen

| Survey | Application deadline | Sample dispatch date | survey period | |
|-----------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| CoVag1/24 | 01.01.24 | 27.02.24 | 04.03.24 | 16.03.24 |
| CoVag2/24 | 10.06.24 | 13.08.24 | 19.08.24 | 31.08.24 |

€ Fee for each survey, net prices plus VAT

160,00 €
each additional required set of samples **60,00 €**

> Sample material

4 samples, inactive virus in 1 ml cell culture supernatant

> Analyte

SARS-CoV-2 antigen

CoVpcr - Genome evidence of SARS-CoV-2

| Survey | Application deadline | Sample dispatch date | survey period | |
|------------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| CoVpcr1/24 | 01.01.24 | 27.02.24 | 04.03.24 | 16.03.24 |
| CoVpcr2/24 | 10.06.24 | 13.08.24 | 19.08.24 | 31.08.24 |

€ Fee for each survey, net prices plus VAT

220,00 €
each additional required set of samples **60,00 €**

> Sample material

4 samples, inactive virus in 1 ml cell culture supernatant

> Analyte

Qualitative evidence of SARS-CoV-2 genome

CrypCand - Cryptococcus neoformans and candida albicans antigen

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| CrypCand1/24 | 15.01.24 | 20.02.24 | 26.02.24 | 09.03.24 |
| CrypCand2/24 | 29.07.24 | 03.09.24 | 09.09.24 | 21.09.24 |

€ Fee for each survey, net prices plus VAT

63,00 €
each additional required set of samples **28,00 €**

> Sample material

serum, 4 samples, each 0,5 ml

> Analytes

Cryptococcus neoformans and Candida albicans antigen

GP - Gram-staining

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| GP1/24 | 18.12.23 | 20.02.24 | 26.02.24 | 09.03.24 |
| GP2/24 | 10.06.24 | 13.08.24 | 19.08.24 | 31.08.24 |

€ Fee for each survey, net prices plus VAT

40,00 €
each additional required pair of samples **16,00 €**

> Sample material

2 fixed unstained smears

> Examination

Judgement of staining and morphology

HEVpcr - Hepatitis E virus

| Survey | Application deadline | Sample dispatch date | survey period | |
|------------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| HEVpcr1/24 | 08.01.24 | 06.02.24 | 12.02.24 | 24.02.24 |
| HEVpcr2/24 | 01.07.24 | 30.07.24 | 05.08.24 | 17.08.24 |

€ Fee for each survey, net prices plus VAT

155,00 €
each additional required set of samples **61,00 €**

> Sample material

human plasma, 4 samples (liquid ready to use)

> Analyte

HEV-RNA

Infl-RSV - Influenza and RSV antigen evidence

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| Infl-RSV1/24 | 19.02.24 | 23.04.24 | 29.04.24 | 11.05.24 |
| Infl-RSV2/24 | 12.08.24 | 15.10.24 | 21.10.24 | 02.11.24 |

€ Fee for each survey, net prices plus VAT

88,00 €
one set
130,00 € both sets

> Sample material

NaCl-matrix, 4 samples, each 1 ml

> Analytes

set 1: Influenza antigen
set 2: RSV antigen

LegAg - Legionella pneumophila antigen evidence

| Survey | Application deadline | Sample dispatch date | survey period | |
|-----------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| LegAg1/24 | 29.01.24 | 19.03.24 | 25.03.24 | 06.04.24 |
| LegAg2/24 | 12.08.24 | 01.10.24 | 07.10.24 | 19.10.24 |

€ Fee for each survey, net prices plus VAT

53,00 €
each additional required set of samples **28,00 €**

> Sample material

4 samples, 0.5 ml urine each

> Analyte

Antigen detection of Legionella pneumophila in urine

MMR_{PCR} - Genome evidence measles, mumps, rubella

| Survey | Application deadline | Sample dispatch date | survey period | |
|-------------------------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| MMR _{PCR} 1/24 | 22.01.24 | 26.03.24 | 01.04.24 | 13.04.24 |
| MMR _{PCR} 2/24 | 29.07.24 | 01.10.24 | 07.10.24 | 19.10.24 |

€ Fee for each survey, net prices plus VAT

| | |
|---------------|----------|
| one analyte | 160,00 € |
| both analytes | 55,00 € |

> Sample material

4 samples, virus material in plasma

> Analytes

Set 1: Measels virus
Set 2: Mumps virus
Set 3: Rubella virus

MRGN_{ScRe} - MRGN Screening

| Survey | Application deadline | Sample dispatch date | survey period | |
|---------------------------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| MRGN _{ScRe} 1/24 | 29.01.24 | 19.03.24 | 25.03.24 | 06.04.24 |
| MRGN _{ScRe} 2/24 | 12.08.24 | 01.10.24 | 07.10.24 | 19.10.24 |

€ Fee for each survey, net prices plus VAT

| | |
|---|----------|
| | 132,00 € |
| each additional required set of samples | 50,00 € |

> Sample material

4 samples, gel smear tubes

> Analytes

Culture proof of MRGN
Molecular diagnostic proof of Carbapenemases

MRSAS_{ScRe} - MRSA Screening

| Survey | Application deadline | Sample dispatch date | survey period | |
|----------------------------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| MRSAS _{ScRe} 1/24 | 18.03.24 | 07.05.24 | 13.05.24 | 25.05.24 |
| MRSAS _{ScRe} 2/24 | 26.08.24 | 15.10.24 | 21.10.24 | 02.11.24 |

€ Fee for each survey, net prices plus VAT

| | |
|---|---------|
| | 90,00 € |
| each additional required set of samples | 38,00 € |

> Sample material

4 eSwab tubes, 1 ml

> Analytes

MRSA Screening for cultural evidence and NAT-methods
Detection Pantone-Valentine leucocidin (PVL)

MykCult - Cultivation and identification of fungi

| Survey | Application deadline | Sample dispatch date | survey period | |
|-------------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| MykCult1/24 | 18.03.24 | 07.05.24 | 13.05.24 | 01.06.24 |
| MykCult2/24 | 26.08.24 | 15.10.24 | 21.10.24 | 09.11.24 |

€ Fee for each survey, net prices plus VAT

53,00 €

each additional required set of samples

33,00 €

➤ **Sample material**

4 samples, gel smear tubes

➤ **Analytes**

Cultivation and identification of fungi

MykIdent - Identification of fungi

| Survey | Application deadline | Dispatch date of instruction | survey period | |
|--------------|----------------------|------------------------------|---------------|----------|
| | | | from | to |
| MykIdent1/24 | 19.02.24 | 19.03.24 | 25.03.24 | 06.04.24 |
| MykIdent2/24 | 02.09.24 | 01.10.24 | 07.10.24 | 19.10.24 |

€ Fee for each survey, net prices plus VAT

63,00 €

➤ **Sample material**

virtual microscopy of 2 preparations

➤ **Analytes**

Identification of fungi

NoroPCR - Norovirus PCR

| Survey | Application deadline | Sample dispatch date | survey period | |
|-------------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| NoroPCR1/24 | 22.01.24 | 26.03.24 | 01.04.24 | 13.04.24 |
| NoroPCR2/24 | 29.07.24 | 01.10.24 | 07.10.24 | 19.10.24 |

€ Fee for each survey, net prices plus VAT

165,00 €

➤ **Sample material**

NaCl-matrix, liquid, 4 samples

➤ **Analyte**

Norovirus RNA

ParasitB - Parasites in blood

| Survey | Application deadline | Dispatch date of instruction | survey period | |
|--------------|----------------------|------------------------------|---------------|----------|
| | | | from | to |
| ParasitB1/24 | 25.03.24 | 23.04.24 | 29.04.24 | 11.05.24 |
| ParasitB2/24 | 16.09.24 | 15.10.24 | 21.10.24 | 02.11.24 |

€ Fee for each survey, net prices plus VAT

65,00 €

➤ **Sample material**

virtual microscopy, one or more visual fields of 2 preparations

➤ **Analytes**

Parasites in blood

ParasitS - Parasites in stool

| Survey | Application deadline | Dispatch date of instruction | survey period | |
|--------------|----------------------|------------------------------|---------------|----------|
| | | | from | to |
| ParasitS1/24 | 25.03.24 | 23.04.24 | 29.04.24 | 11.05.24 |
| ParasitS2/24 | 16.09.24 | 15.10.24 | 21.10.24 | 02.11.24 |

€ Fee for each survey, net prices plus VAT

65,00 €

➤ **Sample material**

virtual microscopy, one or more visual fields of 2 preparations

➤ **Analytes**

Parasites in stool

PolyVir1 - Genome evidence group 1

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| PolyVir11/24 | 04.03.24 | 07.05.24 | 13.05.24 | 25.05.24 |
| PolyVir12/24 | 12.08.24 | 15.10.24 | 21.10.24 | 02.11.24 |

€ Fee for each survey, net prices plus VAT

material fee additional set
one set 165,00 € 82,00 €

➤ **Sample material**

4 samples of liquid EDTA plasma, each 4 ml

➤ **Analytes**

| | |
|---|---|
| set 1: HAV-RNA qualitative | set 5: HIV-2-RNA qualitative |
| set 2: HBV-DNA qualitative and quantitative | set 6: WNV-RNA qualitative |
| set 3: HCV-RNA qualitative and quantitative | set 7: CMV-DNA qualitative and quantitative |
| set 4: HIV-1-RNA qualitative and quantitative | set 8: pvB19-DNA qualitative |

PolyVir2 - Genome evidence group 2

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| PolyVir21/24 | 19.02.24 | 23.04.24 | 29.04.24 | 11.05.24 |
| PolyVir22/24 | 29.07.24 | 01.10.24 | 07.10.24 | 19.10.24 |

€ Fee for each survey, net prices plus VAT

material fee additional set
one set 179,00 € 60,00 €

➤ **Sample material**

4 samples, each 1 ml virus-DNA on NaCl-Matrix

➤ **Analytes**

| | | |
|--------------------|----------------------|------------|
| set 1: Adenoviren | set 4: HSV1/2 | set 7: RSV |
| set 2: Enteroviren | set 5: HPV | set 8: VZV |
| set 3: EBV | set 6: Influenza A/B | |

ToxoGen - Toxoplasma gondii Genome

| Survey | Application deadline | Sample dispatch date | survey period | |
|-------------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| ToxoGen1/24 | 18.03.24 | 07.05.24 | 13.05.24 | 25.05.24 |
| ToxoGen2/24 | 26.08.24 | 15.10.24 | 21.10.24 | 02.11.24 |

€ Fee for each survey, net prices plus VAT

139,00 €
each additional required set of samples 55,00 €

▶ **Sample material**

lyophilized DNA, 4 samples

▶ **Analytes**

Toxoplasma gondii Genome

TubDiag - Tuberculosis diagnostic

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------------------------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| TubDiag1/24 Set 1 + 4 | 15.01.24 | 19.03.24 | 21.03.24 | 05.04.24 |
| TubDiag1/24 Set 2 | 15.01.24 | 19.03.24 | 21.03.24 | 31.05.24 |
| TubDiag1/24 Set 3 + 5 | 15.01.24 | 19.03.24 | 21.03.24 | 10.05.24 |
| TubDiag1/24 Set 6 | 15.01.24 | 19.03.24 | 21.03.24 | 26.04.24 |
| TubDiag2/24 Set 1 + 4 | 08.07.24 | 10.09.24 | 12.09.24 | 27.09.24 |
| TubDiag2/24 Set 2 | 08.07.24 | 10.09.24 | 12.09.24 | 22.11.24 |
| TubDiag2/24 Set 3 + 5 | 08.07.24 | 10.09.24 | 12.09.24 | 01.11.24 |
| TubDiag2/24 Set 6 | 08.07.24 | 10.09.24 | 12.09.24 | 28.10.24 |

This survey is organized in co-operation with Instand e. V..

€ Fee for each survey, net prices plus VAT, plus special freight

| | | | |
|-------|---------|-------|---------|
| set 1 | 54,00 € | set 4 | 74,00 € |
| set 2 | 54,00 € | set 5 | 43,00 € |
| set 3 | 47,00 € | set 6 | 43,00 € |

▶ **Investigation target**

set 1: Microscopy detection of acid-fast bacilli (Instand program 421).
 set 2: Detection of mycobacteria by culture and differentiation between TB and NTM (Instand program 422).
 set 3: Identification of mycobacteria (Instand program 423).
 set 4: Detection of tubercle-bacilli by NAT (Instand program 424).
 set 5: Drug susceptibility (Instand program 425).
 set 6: Molecular drug susceptibility (Instand program 426).

▶ **Sample material**

set 1: 6 microscopy slides
 set 2: 5 sputum specimens
 set 3: 5 suspensions of mycobacterial strains
 set 4: 5 sputum specimens
 set 5: 5 suspensions of M. tuberculosis complex strains for phenotypic resistance testing
 set 6: 5 suspensions of M. tuberculosis complex strains for molecular resistance testing

▶ **Information**

For deliveries, additional freight charges will be invoiced.

This survey is not subject of the accredited area of the RfB.

The surveys are performed in cooperation with Instand e.V. This dispatch of the samples, and the evaluation is done by Instand e.V.

VREscre - VRE Screening

| Survey | Application deadline | Sample dispatch date | survey period | |
|-------------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| VREscre1/24 | 29.01.24 | 19.03.24 | 25.03.24 | 06.04.24 |
| VREscre2/24 | 12.08.24 | 01.10.24 | 07.10.24 | 19.10.24 |

€ **Fee for each survey, net prices plus VAT**

140,00 €
each additional required set of samples 49,00 €

▶ **Sample material**

4 samples, gel smear tubes

▶ **Analytes**

Cultural proof of VRE

Molecular diagnostic proof of Van A/Van B and others

Ejaculate investigation

EJ - Semen analysis

| Survey | Application deadline | Sample dispatch date | survey period from | to |
|--------|----------------------|----------------------|-----------------------|----------|
| EJ1/24 | 11.03.24 | 08.04.24 | 10.04.24 | 08.05.24 |
| EJ2/24 | 23.09.24 | 21.10.24 | 23.10.24 | 21.11.24 |

€ **Fee for each survey, net prices plus VAT**

150,00 €

▶ **Sample material**

Washed and fixed sperm preparation

▶ **Analyte**

Estimation of sperm concentration and the assessment of morphologically normal forms. Additionally, the online analysis of sperm motility is possible.

▶ **Information**

The surveys are performed in a cooperation with the German Society of Andrology and their quality control organization QuaDeGa. The dispatch of the samples and the evaluation is done by QuaDeGa. This survey is not subject of the accredited area of the RfB.

Molecular- and cytogenetic investigations

ctDNA - circulating tumor DNA

| Survey | Application deadline | Sample dispatch date | survey period | |
|-----------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| ctDNA1/24 | 29.01.24 | 09.04.24 | 15.04.24 | 13.05.24 |
| ctDNA2/24 | 15.07.24 | 24.09.24 | 30.09.24 | 26.10.24 |

€ Fee for each survey, net prices plus VAT

| | material one set | fee | additional set |
|--|------------------|----------|----------------|
| | | 150,00 € | 150,00 € |

> Sample material

EDTA-plasma, 3 samples each 3 ml

> Analyte

- set A: KRAS proto-oncogene, GTPase
- KRAS p.G12 (*KRAS*, NM_004985.5:c.34G>T>C>A, rs121913530)
 - KRAS p.G12 (*KRAS*, NM_004985.5:c.35G>T>C>A, rs121913529)
 - KRAS p.G13 (*KRAS*, NM_004985.5:c.37G>T>C>A, rs121913535)
 - KRAS p.G13 (*KRAS*, NM_004985.5:c.38G>T>C>A, rs112445441)
- set B: B-Raf proto-oncogene, serine/threonine kinase
- BRAF p.V600E (*BRAF*, NM_004333.6:c.1799T>A, rs113488022)
- set C: Epidermal growth factor receptor
- EGFR p.T790M (*EGFR*, NM_005228.5:c.2369C>T, rs121434569)
- set D: NRAS proto-oncogene, GTPase
- NRAS p.Q61 (*NRAS*, NM_002524.5:c.181C>T>G>A, rs121913254)
 - NRAS p.Q61 (*NRAS*, NM_002524.5:c.182A>T>G>C, rs11554290)
 - NRAS p.Q61 (*NRAS*, NM_002524.5:c.183A>T>C, rs121913255)

> Information

This survey is only available for European participants because of the lack sample stability with the expanded shipment period.

For ordering, be aware of the different sets A, B, C and D.

DI - DNA isolation

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| DI1/24 | 15.01.24 | 12.03.24 | 18.03.24 | 06.04.24 |
| DI2/24 | 24.06.24 | 27.08.24 | 02.09.24 | 21.09.24 |

€ Fee for each survey, net prices plus VAT

| | |
|--|----------------|
| | 68,00 € |
| each additional required pair of samples | 34,00 € |

> Sample material

full blood, K-EDTA, 2 samples each 500 µl

> Analyte

| | |
|---------------|--|
| DNA isolation | <ul style="list-style-type: none"> - FV-Leiden (<i>F5</i>, NM_000130.5:c.1601G>A, rs6025) - FV-H1299R (<i>F5</i>, NM_000130.5:c.3980A>G, rs1800595) - FV-Cambridge (<i>F5</i>, NM_000130.5:c.1001G>C, rs118203906) - FV-Hong-Kong (<i>F5</i>, NM_000130.5:c.1000A>G, rs118203905) - FII g20210a (<i>F2</i>, NM_000506.5:c.*97G>A, rs1799963) |
| DNA isolation | <p>Methylenetetrahydrofolate reductase (MTHFR)</p> <ul style="list-style-type: none"> - MTHFR C677T (<i>MTHFR</i>, NM_005957.5:c.665C>T, rs1801133) - MTHFR A1298C (<i>MTHFR</i>, NM_005957.5:c.1286A>C, rs1801131) <p>Hereditary Hemochromatosis (HFE)</p> <ul style="list-style-type: none"> - HFE H63D (<i>HFE</i>, NM_000410.4:c.187C>G, rs1799945) - HFE S65C (<i>HFE</i>, NM_000410.4:c.193A>T, rs1800730) - HFE C282Y (<i>HFE</i>, NM_000410.4:c.845G>A, rs1800562) |

> Information

Methodological survey:
determination of concentration of DNA
ratio 260/280
method of identification
defined genotypes

MG1 - Molecular genetics group 1

| Survey | Application deadline | Sample dispatch date | survey period from | to |
|---------|----------------------|----------------------|--------------------|----------|
| MG11/24 | 15.01.24 | 12.03.24 | 18.03.24 | 06.04.24 |
| MG12/24 | 24.06.24 | 27.08.24 | 02.09.24 | 21.09.24 |

€ Fee for each survey, net prices plus VAT

material one set fee 54,00 € additional set 54,00 €

▶ Sample material

DNA preparation, lyophilized, 2 samples each 800 ng

▶ Analytes

- set A:
- FV-Leiden (*F5*, NM_000130.5:c.1601G>A, rs6025)
 - FII g20210a (*F2*, NM_000506.5:c.*97G>A, rs1799963)
 - Methylenetetrahydrofolate reductase (*MTHFR*)
 - *MTHFR* C677T (*MTHFR*, NM_005957.5:c.665C>T, rs1801133)
 - *MTHFR* A1298C (*MTHFR*, NM_005957.5:c.1286A>C, rs1801131)
 - PAI-I 4G5G (*SERPINE1*, NM_000602.5:c.-820G[(4_5)], rs1799762)
- set B:
- FXIII V34L (*F13A1*, NM_000129.4:c.103G>T, rs5985)
 - GPIIIa (*ITGB3*, NM_000212.3:c.176T>C, rs5918)
 - beta-Fibrinogen g-455a (*FGB*, NM_005141.4:c.-463G>A, rs1800790)
 - Vitamin K epoxide reductase complex subunit 1 (*VKORC1*)
 - *VKORC1* G-1639 (*VKORC1*, NM_024006.6:c.-1639G>A, rs9923231)
 - *VKORC1* C1173T (*VKORC1*, NM_024006.6:c.174-136C>T, rs9934438)
 - FXII c46t (*F12*, NM_000505.4:c.-4T>C rs1801020)
 - FV-H1299R (*F5*, NM_000130.5:c.3980A>G, rs1800595)
- set C:
- Alpha-1-Antitrypsin, (serpin family A member1)
 - AAT-PI*S (*SERPINA1*, NM_000295.5:c.863A>T, rs17580)
 - AAT-PI*Z (*SERPINA1*, NM_000295.5:c.1096G>A, rs28929474)
 - AAT- (Alpha-1-Antitrypsin-Genotyping)
 - Apolipoprotein E (*APOE*)
 - ApoE2 (*APOE*, NM_000041.4:c.526C>T, rs7412)
 - ApoE4 (*APOE*, NM_000041.4:c.388T>C, rs429358)
 - ApoE (Apolipoprotein E – Genotyping)
 - ApoB100 (*APOB*, NM_000384.3:c.10580G>A, rs5742904)
 - ACE I/D (*ACE*, NM_000789.3:c.2306-117_2306-116insAF118569.1:g.14094_14382, rs1799752)
 - CETP B1/B2 (*CETP*, NM_000078.3:c.118+279G>A, rs708272)
- set D:
- Aldolase, fructose-bisphosphate B (*ALDOB*)
 - AldoB 149 (*ALDOB*, NM_000035.4:c.448G>C, rs1800546)
 - AldoB 174 (*ALDOB*, NM_000035.4:c.524C>A, rs76917243)
 - AldoB 334 (*ALDOB*, NM_000035.4:c.1005C>G, rs78340951)
 - Hereditary Hemochromatosis (*HFE*)
 - HFE H63D (*HFE*, NM_000410.4:c.187C>G, rs1799945)
 - HFE S65C (*HFE*, NM_000410.4:c.193A>T, rs1800730)
 - HFE C282Y (*HFE*, NM_000410.4:c.845G>A, rs1800562)
 - LCT c-13910t (*LCT*, NM_005915.6:c.1917+326C>T, rs4988235)
 - Nucleotide binding oligomerization domain containing 2 (*NOD2*)
 - NOD R702W (*NOD2*, NM_001370466.1:c.2023C>T, rs2066844)
 - NOD G908R (*NOD2*, NM_001370466.1:c.2641G>C, rs2066845)
 - NOD L1007finsC (*NOD2*, NM_001370466.1:c.2938dup, rs2066847)
- set E:
- ATP7B-C3207A (*ATP7B*, NM_000053.4:c.3207C>A, rs76151636)
 - FSAP Marburg-I (*HABP2*, NM_004132.5:c.1601G>A, rs7080536)
 - ITGA2 Gplalla C807T (*ITGA2*, NM_002203.4:c.759C>T, rs1126643)
 - Col1A1 SP1 (*Col1A1*, NM_000088.4:c.104-441G>T, rs1800012)
 - Vitamin D receptor (*VDR*)
 - VDR Bsml (*VDR*, NM_000376.3:c.1024+283G>A, rs1544410)
 - VDR Apal (*VDR*, NM_000376.3:c.1025-49G>T, rs7975232)
 - VDR Taql (*VDR*, NM_000376.3:c.1056T>C, rs731236)

- set F: - Faktor VII (R353Q) (F7, NM_019616.4:c.1172G>A, rs6046)
 - AT3 Cambridge Typ I/II (SERPINC1, NM_000488.4:c.1246G>C>T, rs121909548)
 - CYP3A5*3 (CYP3A5, NM_000777.5:c.219-237A>G, rs776746)

Information

Please take into account the division into sets A, B, C, D, E and F when you order this survey.

MG2 - Molecular genetics group 2

| Survey | Application deadline | Sample dispatch date | survey period from | to |
|---------|----------------------|----------------------|--------------------|----------|
| MG21/24 | 15.01.24 | 12.03.24 | 18.03.24 | 06.04.24 |
| MG22/24 | 24.06.24 | 27.08.24 | 02.09.24 | 21.09.24 |

€ Fee for each survey, net prices plus VAT

material fee additional set
 one set. 54,00 € 54,00 €

For multiple orders of your chosen set collection you can also use the application form 7

Sample material

DNA preparation, lyophilized, 2 samples each 800 ng (set D: 4000 ng)

Analytes

- set A: Thiopurine S-methyltransferase (TPMT)
 - TPMT*2 (TPMT, NM_000367.5:c.238G>C, rs1800462)
 - TPMT*3B (TPMT, NM_000367.5:c.460G>A, rs1800460)
 - TPMT*3C (TPMT, NM_000367.5:c.719A>G, rs1142345)
 - Thiopurine S-methyltransferase (TPMT – Genotyping)
 - CYP2C8*3 (CYP2C8, NM_000770.3:c.1196A>G, rs10509681)
 Cytochrom P450 2C9 (CYP2C9)
 - CYP2C9*2 (CYP2C9, NM_000771.4:c.430C>T, rs1799853)
 - CYP2C9*3 (CYP2C9, NM_000771.4:c.1075A>C, rs1057910)
 - CYP2C9 (2C9 – Genotyping)
 - UGT1A1*28 (UGT1A1, NM_000463.3:c.-41_-40dupTA, rs3064744)
 Dihydropyrimidine dehydrogenase (DPYD)
 - DPYD*2A (DPYD, NM_000110.4:c.1905+1G>A, rs3918290)
 - DPYD*13 (DPYD, NM_000110.4:c.1679T>G, rs55886062)
 - DPYD p.D949V (DPYD, NM_000110.4:c.2846A>T, rs67376798)
 - DPYD c.1129-5923C>G (DPYD, NM_000110.4:c.1129-5923C>G, rs75017182)
 - DPYD c.1236G>A (DPYD, NM_000110.4:c.1236G>A, rs56038477)
 - DPYD HapB3 (DPYD, NM_000110.4:c.1129-5923C>G, rs75017182, NM_000110.4:c.1236G>A, rs56038477)
 - DPD activity score acc. to CPIC
 - DPD activity score acc. to DGHO
 - BCHE A (D70G) (BCHE, NM_000055.4:c.293A>G, rs1799807)
 - BCHE K (A567T) (BCHE, NM_000055.4:c.1699G>A, rs1803274)
- set B: KRAS proto-oncogene, GTPase (KRAS)
 - KRAS p.G12/p.G13 (KRAS, NP_004976.2:p.G12/G13)
 - KRAS p.G12 (KRAS, NM_004985.5:c.34G>T>C>A, rs121913530)
 - KRAS p.G12 (KRAS, NM_004985.5:c.35G>T>C>A, rs121913529)
 - KRAS p.G13 (KRAS, NM_004985.5:c.37G>T>C>A, rs121913535)
 - KRAS p.G13 (KRAS, NM_004985.5:c.38G>T>C>A, rs112445441)
 - KRAS p.G12 (KRAS, NP_004976.2:p.G12)
 - KRAS p.G12 (KRAS, NM_004985.5:c.34G>T>C>A, rs121913530)
 - KRAS p.G12 (KRAS, NM_004985.5:c.35G>T>C>A, rs121913529)
 - KRAS p.G13 (KRAS, NP_004976.2:p.G13)
 - KRAS p.G13 (KRAS, NM_004985.5:c.37G>T>C>A, rs121913535)
 - KRAS p.G13 (KRAS, NM_004985.5:c.38G>T>C>A, rs112445441)
 - KRAS p.Q61 (KRAS, NP_004976.2:p.Q61)
 - KRAS p.Q61 (KRAS, NM_004985.5:c.181C>G>A, rs121913238)
 - KRAS p.Q61 (KRAS, NM_004985.5:c.182A>T>G>C, rs121913240)
 - KRAS p.Q61 (KRAS, NM_004985.5:c.183A>T>C, rs17851045)
 BRAF p.V600 (BRAF, NP_004324.2:p.V600E/K, rs113488022, rs121913227)
 - NM_004333.6:c.1799T>A, rs113488022
 - NM_004333.6:c.1798_1799delinsAA, rs121913227

- set B:
- cKIT p.D816V (KIT, NM_000222.3:c.2447A>T, rs121913507)
 - NRAS (NRAS, NP_002515.1:p.Q61)
 - NRAS (NRAS, NM_002524.5:c.181C>T>G>A, rs121913254)
 - NRAS (NRAS, NM_002524.5:c.182A>T>G>C, rs11554290)
 - NRAS (NRAS, NM_002524.5:c.183A>T>C, rs121913255)
- set C:
- HLA-B*27 (HLA-B, NM_005514.8)
 - TNF alpha 238 (TNF, NM_000594.3:c.-418G>A, rs361525)
 - TNF alpha 308 (TNF, NM_000594.3:c.-488G>A, rs1800629)
- set D:
- Cytochrome P450 2D6 (CYP2D6)
 - CYP2D6*2-296 (CYP2D6*2, NM_000106.6:c.886C>T, rs16947)
 - CYP2D6*2-486 (CYP2D6*2, NM_000106.6:c.1457G>C, rs1135840)
 - CYP2D6*3 (CYP2D6*3, NM_000106.6:c.775del, rs35742686)
 - CYP2D6*4 (CYP2D6*4, NM_000106.6:c.506-1G>A, rs3892097)
 - CYP2D6*6 (CYP2D6*6, NM_000106.6:c.454del, rs5030655)
 - CYP2D6*7 (CYP2D6*7, NM_000106.6:c.971A>C, rs5030867)
 - CYP2D6*8 (CYP2D6*8, NM_000106.6:c.505G>T, rs5030865)
 - CYP2D6*9 (CYP2D6*9, NM_000106.6:c.841_843del, rs5030656)
 - CYP2D6*10 (CYP2D6*10, NM_000106.6:c.100C>T, rs1065852)
 - CYP2D6*17 (CYP2D6*17, NM_000106.6:c.320C>T, rs28371706)
 - CYP2D6*35 (CYP2D6*35, NM_000106.6:c.31G>A, rs769258)
 - CYP2D6*41 (CYP2D6*41, NM_000106.6:c.985+39G>A, rs28371725)
 - CYP2D6*5 (CYP2D6, Deletion)
 - CYP2D6*xN (CYP2D6, Duplication/Amplification)
 - Cytochrome P450 2C19 (CYP2C19)
 - CYP2C19*2 (CYP2C19, NM_000769.4:c.681G>A, rs4244285)
 - CYP2C19*3 (CYP2C19, NM_000769.4:c.636G>A, rs4986893)
 - CYP2C19*17 (CYP2C19, NM_000769.4:c.-806C>T, rs12248560)
 - CYP2C19 Genotyping
- set E:
- HLA B*57:01 (HLA-B, NM_005514.8)
 - Cytochrome P450 2B6 (CYP2B6)
 - CYP2B6*4 (CYP2B6, NM_000767.5:c.785A>G, rs2279343)
 - CYP2B6*9 (CYP2B6, NM_000767.5:c.516G>T, rs3745274)
 - CYP2B6*6 (CYP2B6, NM_000767.5:c.785A>G, rs2279343 + NM_000767.5:c.516G>T, rs3745274)
 - ABCB1 c.3435T>C (ABCB1, NM_001348946.2:c.3435T>C, rs1045642)
 - CCR5-del32bp (CCR5, NM_001394783.1:c.554_585del, rs333)
- set F:
- IL28B (C/T Polymorphism) (IFNL4, NM_001276254.2:c.151-152G>A, rs12979860)
 - IL6 G(-174)C (IL6, NM_000600.4:c.-237C>G, rs1800795)
 - CYP3A4*22 (CYP3A4, NM_017460.6:c.522-191C>T, rs35599367)

▶ Information 1

Please take into account the division into sets A, B, C, D, E and F when you order this survey.

▶ Information 2

The following analytes are offered by our cooperation partner European Molecular Genetics Quality Network (EMQN). More information: www.rfb.bio/pdf/EMQN.pdf

- Hereditary hemochromatosis (genotyping and interpretation)
- Cystic fibrosis, mucoviscidosis
- Familial breast-/ovarial- cancer (BRCA)
- Hereditary nonpolyposis colon cancer
- 21-hydroxylase deficiency (Congenital adrenal hyperplasia)
- Huntington's disease
- Duchenne and Becker muscular dystrophy
- Prader-Willi and Angelman syndromes
- Fragile X Syndrome
- Spinal Muscular Atrophy
- Hereditary auditory disorder
- Y chromosome microdeletions

SQ - DNA Sequencing

| Survey | Application deadline | Sample dispatch date | survey period from | to |
|--------|----------------------|----------------------|--------------------|----------|
| SQ1/24 | 15.01.24 | 12.03.24 | 18.03.24 | 13.04.24 |
| SQ2/24 | 24.06.24 | 27.08.24 | 02.09.24 | 28.09.24 |

€ **Fee for each survey, net prices plus VAT**

132,00 €
each additional pair of samples 46,00 €

▶ **Sample material**

DNA-preparation, lyophilized, 2 samples (PCR product + Primer for/rev)

▶ **Analytes**

DNA sequencing

▶ **Information**

This survey is not subject of the accredited area of the RfB.

**Responsible body of the Reference Institute for Bioanalytics (RfB) is the
Foundation for Pathobiochemistry and Molecular Diagnostics**

| | |
|---|--|
| Foundation f. Pathobiochemistry a. Molecular Diagnostics, Board | Gunther Schabio |
| Reference Institute for Bioanalytics, Management | Dr. Anja Kessler |
| Survey directors | Prof. Dr. Cornelius Knabbe, Prof. Dr. Dr. Klaus P. Kohse, Prof. Dr. Michael Neumaier |
| EQAS Board | Anna Bode M.Sc., Dr. Marika Enders, Dr. Stefanie Gemein, Dr. Anja Kessler, Dr. Sascha Neumann |
| Calibration laboratories | Dr. Denis Grote-Koska, Medizinische Hochschule Hannover Dr. Caroline Stobe, BioCampus Köln |
| Scientific advisory board, chairman | Prof. Dr. Cornelius Knabbe, Herz- und Diabeteszentrum Bad Oeynhausen |

Scientific advisors

| | |
|-----------------------------------|---|
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Who are we?

The Reference Institute for Bioanalytics (Referenzinstitut für Bioanalytik or RfB for short) is one of two ring trial organizations that is officially commissioned by the German Medical Association to conduct ring trials for external quality control.

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Referenzinstitut für Bioanalytik

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Authorised representative: Gunther Schabio, datenschutzbeauftragter@spmd-rfb.de , Responsible party as per EU-GDPR

How your data is processed

What personal data do we collect from you?

We collect your personal data if you have registered for the ring trials in written form or if you contact us through the various communication channels. We process the following specific data: Name, E-mail address, company address,

If you are a participant:

Participant number, password, delivery address, certificate address, billing address, telephone number, and, if necessary, E-mail address, bank connection, ring trial results, and all related documents. IT usage data (IP address, date, and time of connection)

Where does this data come from?

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Based on your consent (Art. 6 Para. 1a EU-GDPR): In some cases, you have granted us your consent to process your data. You may revoke this consent at any time. This also applies to declarations of consent which you have granted us before the EU-GDPR entered into effect, i.e. before 25 May 2018.

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We work with a host of external service providers who support us in providing our services. We have chosen all of our service providers carefully and contractually obligated them to comply diligently with all relevant data protection requirements. At the same time, we only transfer the minimum amount of data necessary to use these services as a matter of course.

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If you have registered with us for a survey that is being conducted by one of our cooperation partners (such as TH thrombophilia screening at ECAT), we will transfer all of the data relevant to the performance of the ring trial to the cooperation partner.

What other rights do you have?

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Right to revocation

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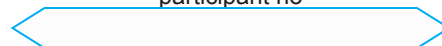
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Application form for Thrombophilia screening 2024

participant no



new client

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| 1 | <input type="checkbox"/> result submission via Internet/report internet (ECAT Website) | 147,00 € |
| Analytes four times yearly: TH1/24, TH2/24, TH3/24, TH4/24 | | |
| 1 | <input type="checkbox"/> Thrombophilia module I Includes an annual report on the long-time evaluation of test results Antithrombin (activity and antigen) Protein C (activity [chromogenic and clotting] and antigen) Protein S activity Protein S antigen (free and total) | 412,50 € |
| 2 | <input type="checkbox"/> Thrombophilia module II (APC resistance) | 167,00 € |
| 3 | <input type="checkbox"/> Lupus Anticoagulant/Antiphospholipid Antibodies | 198,50 € |
| 4 | <input type="checkbox"/> Von Willebrand Factor module (antigen, ristocetin cofactor activity, activity, collagen binding, multimers, Factor VIII) | 313,50 € |
| 5 | <input type="checkbox"/> ADAMTS-13 - I (activity and antigen) | 219,50 € |
| 6 | <input type="checkbox"/> Factor XIII (activity and antigen) | 156,25 € |
| 7 | <input type="checkbox"/> Fibrinolysis parameters I (Plasminogen, Antiplasmin) | 151,50 € |
| 8 | <input type="checkbox"/> Fibrinolysis parameters II (t-PA, PAI-1) | 151,50 € |
| 9 | <input type="checkbox"/> Unfractionated Heparin Monitoring (anti-Xa) | 136,00 € |
| A | <input type="checkbox"/> Low-Molecular Weight Heparin Monitoring (anti-Xa) | 136,00 € |
| Analytes two times yearly: | | |
| B | <input type="checkbox"/> Factor VIII Inhibitor (TH2/24 + TH4/24) | 206,50 € |
| C | <input type="checkbox"/> Thrombin Generation Test (TH1/24 + TH3/24) | 157,50 € |
| D | <input type="checkbox"/> ADAMTS-13 - II (antibodies) (TH2/24 + TH4/24) | 143,75 € |
| E | <input type="checkbox"/> Factor IX Inhibitor (TH1/24 + TH3/24) | 206,50 € |
| F | <input type="checkbox"/> HIT - I (Immunological testing) (TH1/24 + TH3/24) | 235,00 € |
| Analytes one time yearly: | | |
| G | <input type="checkbox"/> ADAMTS-13 - III (functional inhibitor) (TH2/24) | 104,50 € |



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