

Surveys 2023

Reference Institute for 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,

In addition to the requirements of the guideline of the German Medical Association (RiliBÄK), the specifications of the EU In Vitro Diagnostics Regulation (IVDR) present laboratories and manufacturers with new responsibilities. Important elements when implementing these specifications are accuracy of results as well as continuous quality assurance. Surveys are a transparent and independent measure to support you: our analyses provide a straightforward overview of the comparability and precision of the measurement methods used. Additionally, we apply the principle of metrological traceability whenever possible when we carry out our analyses. This enables an objective assessment of the accuracy of the results measured. In this respect, we would like to present the input from our calibration laboratories to you on the following two pages.

Dr. Wolf-Jochen Geilenkeuser has built up and supervised the programme of the Reference Institute for Bioanalytics (RfB) from both a scientific and technical perspective over decades. In recent years, he pursued this task as head of the RfB. We wish to extend our sincere thanks to Dr. Geilenkeuser for his work over these many years! Even in retirement, we are pleased to say that he will continue to offer his expertise in an advisory capacity for the analysis of specific surveys. We are also pleased that we were able to recruit more young colleagues as scientific advisors and staff members of the EQAS Board last year. They are committed to supporting the RfB when it comes to carrying out surveys and are available as competent contacts for any questions you may have.

The experience of the last few years has confirmed that the demands on laboratory medicine are constantly growing and cover a wide spectrum. In order to introduce new surveys in timely and flexible fashion, we initially offer pilot surveys for new analytes and issues before these are then permanently incorporated into our range of services. We will be more than happy to provide you with quick and comprehensive information on this via our website www.rfb.bio or by e-mail.

We look forward to maintaining our successful working relationship with you!

With best regards on behalf of the RfB team



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@spm-d-rfb.de or directly from the heads of the calibration laboratories, Dr. Caroline Stobe (Calibration Laboratory Cologne, calibrationlab1_info@spm-d-rfb.de) and Dr. Denis Grote-Koska (Calibration Laboratory Hanover, calibrationlab2_info@spm-d-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 | 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 2023, we will offer the following new surveys/analytes:

B1

EG (Ethylglucuronide) page 14
The survey was supplemented with the analyte cotinine

B3

MRSAscr (MRSA Screening) page 44
The survey was supplemented by the detection of the Panton-Valentine leucocidine

B5

The nomenclatures of the following surveys have been changed:

ctDNA (circulating tumor DNA) page 50
DI (DNA-isolation)..... page 50
MG1 (Molecular genetic group 1) page 51
MG2 (Molecular genetic group 2)..... page 52

Advices and instructions concerning the processes for registration and ordering are described on page 9.

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@spmd-rfb.de

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

General information

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Quantitative determinations

| | | |
|----|-----|--|
| 10 | AD | Automated differential count |
| 10 | AK | Therapeutic drug monitoring |
| 11 | AM | Ammonia |
| 11 | BF | Body fluid |
| 11 | BG | Blood gas |
| 12 | 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) |
| 15 | GR | Coagulation |
| 16 | HA | Hematology - Full blood count |
| 16 | HB | Hemoglobin and Hematocrit |
| 17 | HM | Hormones - group 1 |
| 17 | HP | Hormones - group 2 |
| 17 | IG | Serum proteins |
| 18 | IS | Immunophenotyping |
| 18 | KL | Clinical chemical analytes in cerebrospinal fluid (CSF) |
| 19 | KS | Clinical chemical analytes in serum „wet chemistry“ |
| 19 | KU | Clinical chemical analytes in urine |
| 20 | LP | Lipoproteins |
| 20 | NBS | Newborn screening |
| 21 | OH | Hemoglobin derivatives |
| 21 | OS | Bone metabolism |
| 21 | PH | Photometer control |
| 22 | RE | Reticulocytes |
| 22 | RF | Rheumatoid factors |
| 23 | SA | Thyroid antibodies |
| 23 | SD | Pregnancy diagnostic |
| 24 | SP | Trace elements in urine |
| 24 | SV | Saliva diagnostic |
| 24 | SW | Sweat analysis |
| 25 | TH | Thrombophilia screening (cooperation with the Dutch organization ECAT) |
| 26 | TM | Tumor markers group 1 |
| 26 | TMX | Tumor markers group 2 |
| 27 | TR | Clinical chemical analytes in serum „dry chemistry“ |
| 27 | VT | Vitamins and analgesics |
| 28 | ZL | Cell count in cerebrospinal fluid (CSF) |
| 28 | ZY | Cytokines |

Qualitative determinations

| | | |
|----|----------|---------------------------------------|
| 29 | AI | Antinuclear antibodies |
| 29 | AL | Allergology |
| 30 | BorrBimm | Anti-Borrelia burgdorferi |
| 30 | CMVimm | CMV serology |
| 30 | CoVimm | SARS-CoV-2 Immunology |
| 30 | DF | Hematology - Differential blood count |
| 31 | DS | Drug screening in urine |
| 31 | EBVimm | Epstein-Barr-Virus serology |

| | | |
|----|----------|---|
| 32 | HAVimm | HAV serology |
| 32 | HBVimm1 | HBV serology Minor |
| 32 | HBVimm2 | HBV serology Major |
| 32 | HCVimm | HCV serology |
| 33 | HerpVimm | Herpes viruses serology |
| 33 | HIVimm | HIV serology |
| 33 | HS | Urinary calculus |
| 34 | HTLVimm | Human T-lymphotropic virus |
| 34 | IA | Immunochemistry automated |
| 34 | IH | Immunochemistry Major (extended offer) |
| 35 | IM | Immunochemistry Minor (basic program) |
| 35 | KUST | Clinical chemistry in urine, test strip and pregnancy test, qualitative |
| 35 | MaMulmm | Morbilli and mumps serology |
| 36 | OB | Oligoclonal bands in cerebrospinal fluid (CSF) |
| 36 | pvB19imm | pvB19 serology |
| 36 | RoetLimm | Anti-Rubella Virus |
| 36 | SX | Systematic toxicologic analysis |
| 37 | ToxoGimm | Anti-Toxoplasma gondii |
| 37 | TrepPimm | Anti-Treponema pallidum |
| 37 | TX | Toxicologic analyses |
| 38 | US | Urine sediment |
| 38 | VariAimm | Various immunological analytes |
| 38 | ZZ | Cerebrospinal fluid cytology |

Direct detections of pathogens

| | | |
|----|----------|---|
| 39 | BA | Bacteriology Major |
| 39 | BakNAT1 | Genome evidence group 1 |
| 39 | BakNAT2 | Genome evidence group 2 |
| 40 | BakNAT3 | Genome evidence group 3 |
| 40 | BAK-TK | Proficiency panel to detect bacteria in platelet concentrates |
| 40 | BM | Bacteriology Minor |
| 41 | B-Stscre | B-Streptococci screening |
| 41 | CdToxin | Clostridium (Clostridiodes) difficile toxin genome |
| 41 | ChlamTra | Chlamydia trachomatis AG |
| 42 | CoVag | Evidence of SARS-CoV-2 antigen |
| 42 | CoVpcr | Genome evidence of SARS-CoV-2 and variants of concern |
| 42 | CrypCand | Cryptococcus neoformans and candida albicans antigen |
| 43 | GP | Gram-staining |
| 43 | HEVpcr | Hepatitis E virus |
| 43 | Infl-RSV | Influenza and RSV antigen evidence |
| 44 | MMRpcr | Genome evidence measles, mumps, rubella |
| 44 | MRGNscre | MRGN screening |
| 44 | MRSAscre | MRSA screening |
| 45 | MykCult | Cultivation and identification of fungi |
| 45 | MykIdent | Identification of fungi |
| 45 | NoroPCR | Norovirus PCR |
| 45 | ParasitB | Parasites in blood |
| 46 | ParasitS | Parasites in stool |
| 46 | PolyVir1 | Genome evidence group 1 |
| 46 | PolyVir2 | Genome evidence group 2 |
| 47 | ToxoGen | Toxoplasma gondii genome |
| 47 | TubDiag | Tuberculosis diagnostics |
| 48 | VREscre | VRE screening |

Ejaculate investigation

| | | |
|----|----|---|
| 49 | EJ | Semen (cooperation with the German society of andrology and their quality control organization QuaDeGa) |
|----|----|---|

Molecular- and cytogenetic investigation

| | | |
|----|-------|----------------------------|
| 50 | ctDNA | circulating tumor DNA |
| 50 | DI | DNA isolation |
| 51 | MG1 | Molecular genetics group 1 |
| 52 | MG2 | Molecular genetics group 2 |
| 54 | SQ | DNA sequencing |

Addendum

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Forms

| | |
|----|---|
| 63 | Thrombophilia screening (TH) application form |
|----|---|

Our websites 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 around 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, **since July 2020 mandatory for (almost) all surveys,**
- 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. If the samples of a survey are sent within Germany by standard shipping, these costs are included in the price. If the shipping conditions of Deutsche Post change, price adjustment is possible. All deliveries via parcel service are charged separately.

The invoice is issued after completion of the corresponding survey and includes the net price, any shipping costs incurred and plus the applicable VAT. 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 |
| AD1/23 | 19.12.22 | 25.01.23 | 26.01.23 | 01.02.23 |
| AD2/23 | 10.04.23 | 10.05.23 | 11.05.23 | 17.05.23 |
| AD3/23 | 12.06.23 | 12.07.23 | 13.07.23 | 19.07.23 |
| AD4/23 | 09.10.23 | 08.11.23 | 09.11.23 | 15.11.23 |

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

▶ **Sample material**

blood, liquid, 2 samples each 1 ml

▶ **Analytes**

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

▶ **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 |
| AK1/23 | 05.12.22 | 04.01.23 | 09.01.23 | 21.01.23 |
| AK2/23 | 20.03.23 | 19.04.23 | 24.04.23 | 06.05.23 |
| AK3/23 | 29.05.23 | 28.06.23 | 03.07.23 | 15.07.23 |
| AK4/23 | 21.08.23 | 20.09.23 | 25.09.23 | 07.10.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

▶ **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

carbamazepine
digoxin
ethosuximide
lithium
phenobarbital

phenytoin
primidone
theophylline
valproic acid

set 2

amikacin
caffeine
digitoxin
gentamycin
methotrexate
tobramycin
vancomycin

set 3

ampicillin
cefepime
ceftazidime
linezolid
meropenem
piperacillin
sulbactam
tazobactam

AM - Ammonia

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| AM1/23 | 05.12.22 | 04.01.23 | 09.01.23 | 21.01.23 |
| AM2/23 | 27.02.23 | 29.03.23 | 03.04.23 | 15.04.23 |
| AM3/23 | 29.05.23 | 28.06.23 | 03.07.23 | 15.07.23 |
| AM4/23 | 21.08.23 | 20.09.23 | 25.09.23 | 07.10.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

▶ Sample material

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

▶ Analyte

ammonia

BF - Body fluid

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| BF1/23 | 19.12.22 | 24.01.23 | 25.01.23 | 01.02.23 |
| BF2/23 | 10.04.23 | 09.05.23 | 10.05.23 | 17.05.23 |
| BF3/23 | 12.06.23 | 11.07.23 | 12.07.23 | 19.07.23 |
| BF4/23 | 11.09.23 | 10.10.23 | 11.10.23 | 18.10.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

▶ 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 |
| BG1/23 | 12.12.22 | 11.01.23 | 16.01.23 | 28.01.23 |
| BG2/23 | 06.03.23 | 04.04.23 | 11.04.23 | 22.04.23 |
| BG3/23 | 19.06.23 | 19.07.23 | 24.07.23 | 05.08.23 |
| BG4/23 | 18.09.23 | 18.10.23 | 23.10.23 | 04.11.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

▶ Sample material

gas equilibrated solution, liquid, 2 ampoules each 2 ml

▶ Analytes

pH
pCO₂
pO₂

calcium, ionized
chloride
creatinine
glucose

lactate
lithium
magnesium
potassium

sodium
urea

BI - Neonatal bilirubin

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| BI1/23 | 09.01.23 | 01.02.23 | 06.02.23 | 18.02.23 |
| BI2/23 | 20.03.23 | 19.04.23 | 24.04.23 | 06.05.23 |
| BI3/23 | 05.06.23 | 05.07.23 | 10.07.23 | 22.07.23 |
| BI4/23 | 28.08.23 | 27.09.23 | 02.10.23 | 14.10.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

▶ 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 |
| CM1/23 | 19.12.22 | 25.01.23 | 30.01.23 | 11.02.23 |
| CM2/23 | 20.03.23 | 19.04.23 | 24.04.23 | 06.05.23 |
| CM3/23 | 05.06.23 | 05.07.23 | 10.07.23 | 22.07.23 |
| CM4/23 | 21.08.23 | 20.09.23 | 25.09.23 | 07.10.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

▶ 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 |
| CMX1/23 | 19.12.22 | 25.01.23 | 26.01.23 | 01.02.23 |
| CMX2/23 | 11.04.23 | 10.05.23 | 11.05.23 | 17.05.23 |
| CMX3/23 | 12.06.23 | 12.07.23 | 13.07.23 | 19.07.23 |
| CMX4/23 | 09.10.23 | 08.11.23 | 09.11.23 | 15.11.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

EG - Ethylglucuronide

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| EG1/23 | 13.03.23 | 12.04.23 | 17.04.23 | 29.04.23 |
| EG2/23 | 14.08.23 | 13.09.23 | 18.09.23 | 30.09.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

▶ Sample material

urine, lyophilized, 2 samples each 1 ml

▶ Analyte

Ethylglucuronide, Coitinin

ET - Ethanol

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| ET1/23 | 19.12.22 | 18.01.23 | 23.01.23 | 04.02.23 |
| ET2/23 | 20.03.23 | 19.04.23 | 24.04.23 | 06.05.23 |
| ET3/23 | 19.06.23 | 19.07.23 | 24.07.23 | 05.08.23 |
| ET4/23 | 11.09.23 | 11.10.23 | 16.10.23 | 28.10.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

▶ Sample material

serum, liquid, 2 samples each 2 ml

▶ Analyte

ethanol

FD - Faeces diagnostics

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| FD1/23 | 27.02.23 | 24.05.23 | 29.05.23 | 10.06.23 |
| FD2/23 | 24.07.23 | 18.10.23 | 23.10.23 | 04.11.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

▶ 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 |
| GH1/23 | 19.12.22 | 17.01.23 | 18.01.23 | 25.01.23 |
| GH2/23 | 27.03.23 | 25.04.23 | 26.04.23 | 03.05.23 |
| GH3/23 | 05.06.23 | 04.07.23 | 05.07.23 | 12.07.23 |
| GH4/23 | 25.09.23 | 24.10.23 | 25.10.23 | 01.11.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

➤ **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 |
| GL1/23 | 05.12.22 | 04.01.23 | 09.01.23 | 21.01.23 |
| GL2/23 | 13.02.23 | 15.03.23 | 20.03.23 | 01.04.23 |
| GL3/23 | 15.05.23 | 14.06.23 | 19.06.23 | 01.07.23 |
| GL4/23 | 21.08.23 | 20.09.23 | 25.09.23 | 07.10.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

➤ **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 which 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 |
| GR1/23 | 19.12.22 | 18.01.23 | 23.01.23 | 04.02.23 |
| GR2/23 | 27.03.23 | 26.04.23 | 01.05.23 | 13.05.23 |
| GR3/23 | 12.06.23 | 12.07.23 | 17.07.23 | 29.07.23 |
| GR4/23 | 25.09.23 | 25.10.23 | 30.10.23 | 11.11.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

▶ **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 |
|--------|----------------------|----------------------|--------------------|----------|
| HA1/23 | 02.01.23 | 31.01.23 | 01.02.23 | 08.02.23 |
| HA2/23 | 10.04.23 | 09.05.23 | 10.05.23 | 17.05.23 |
| HA3/23 | 12.06.23 | 11.07.23 | 12.07.23 | 19.07.23 |
| HA4/23 | 11.09.23 | 10.10.23 | 11.10.23 | 18.10.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

▶ **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 |
|--------|----------------------|----------------------|--------------------|----------|
| HB1/23 | 19.12.22 | 24.01.23 | 25.01.23 | 01.02.23 |
| HB2/23 | 03.04.23 | 02.05.23 | 03.05.23 | 10.05.23 |
| HB3/23 | 12.06.23 | 11.07.23 | 12.07.23 | 19.07.23 |
| HB4/23 | 11.09.23 | 10.10.23 | 11.10.23 | 18.10.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

▶ **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 |
| HM1/23 | 05.12.22 | 04.01.23 | 09.01.23 | 28.01.23 |
| HM2/23 | 27.02.23 | 29.03.23 | 03.04.23 | 22.04.23 |
| HM3/23 | 22.05.23 | 21.06.23 | 26.06.23 | 15.07.23 |
| HM4/23 | 14.08.23 | 13.09.23 | 18.09.23 | 07.10.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

▶ Sample material

serum, lyophilized, 2 samples each 3 ml

▶ Analytes

| | | | | |
|-------------|----------------------|--------------------|-----------|-----------|
| aldosterone | estradiol-17 β | 17-OH-progesterone | T3, free | T4, total |
| cortisol | ferritin | TBG | T3, total | TSH |
| DHEA-S | progesterone | testosterone | T4, free | |

▶ Information

Free estriol can be determined only in the survey for pregnancy diagnostic (SD).

HP - Hormones - Group 2

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| HP1/23 | 05.12.22 | 04.01.23 | 09.01.23 | 28.01.23 |
| HP2/23 | 27.02.23 | 29.03.23 | 03.04.23 | 22.04.23 |
| HP3/23 | 22.05.23 | 21.06.23 | 26.06.23 | 15.07.23 |
| HP4/23 | 14.08.23 | 13.09.23 | 18.09.23 | 07.10.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

▶ 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 |
| IG1/23 | 19.12.22 | 17.01.23 | 23.01.23 | 04.02.23 |
| IG2/23 | 13.03.23 | 11.04.23 | 17.04.23 | 29.04.23 |
| IG3/23 | 29.05.23 | 27.06.23 | 03.07.23 | 15.07.23 |
| IG4/23 | 21.08.23 | 19.09.23 | 25.09.23 | 07.10.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

➤ **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 |
|--------|----------------------|----------------------|--------------------|----------|
| IS1/23 | 23.01.23 | 20.02.23 | 21.02.23 | 23.02.23 |
| IS2/23 | 07.08.23 | 04.09.23 | 05.09.23 | 07.09.23 |

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

➤ **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 |
|--------|----------------------|----------------------|--------------------|----------|
| KL1/23 | 12.12.22 | 11.01.23 | 16.01.23 | 28.01.23 |
| KL2/23 | 20.02.23 | 22.03.23 | 27.03.23 | 08.04.23 |
| KL3/23 | 15.05.23 | 14.06.23 | 19.06.23 | 01.07.23 |
| KL4/23 | 21.08.23 | 20.09.23 | 25.09.23 | 07.10.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

➤ **Sample material**

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

➤ **Analytes**

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

➤ **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 |
| KS1/23 | 05.12.22 | 04.01.23 | 09.01.23 | 14.01.23 |
| KS2/23 | 09.01.23 | 08.02.23 | 13.02.23 | 18.02.23 |
| KS3/23 | 20.02.23 | 22.03.23 | 27.03.23 | 01.04.23 |
| KS4/23 | 03.04.23 | 03.05.23 | 08.05.23 | 13.05.23 |
| KS5/23 | 22.05.23 | 21.06.23 | 26.06.23 | 01.07.23 |
| KS6/23 | 03.07.23 | 02.08.23 | 07.08.23 | 12.08.23 |
| KS7/23 | 04.09.23 | 04.10.23 | 09.10.23 | 14.10.23 |
| KS8/23 | 09.10.23 | 08.11.23 | 13.11.23 | 18.11.23 |

€ Fee for each survey inclusive sample material, net prices plus VAT

▶ 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 | pancreatic amylase |
| AST, aspartate aminotransferase (GOT) | dehydrogenase | phosphorus, inorganic |
| bilirubin, direct | glucose | acid phosphatase, total |
| bilirubin, total | uric acid | acid phosphatase, |
| calcium | urea | prostate (only enzyme |
| calcium, ionized | potassium | activity) |
| chloride | creatinine | triglycerides |
| cholesterol | copper | |
| cholinesterase | lactate | |
| | LDH, lactate dehydrogenase | |

KU - Clinical chemical analytes in urine

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| KU1/23 | 12.12.22 | 11.01.23 | 16.01.23 | 28.01.23 |
| KU2/23 | 20.02.23 | 22.03.23 | 27.03.23 | 08.04.23 |
| KU3/23 | 15.05.23 | 14.06.23 | 19.06.23 | 01.07.23 |
| KU4/23 | 21.08.23 | 20.09.23 | 25.09.23 | 07.10.23 |

€ Net prices plus VAT (Standard shipping within Germany included)

▶ 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 |
| LP1/23 | 02.01.23 | 01.02.23 | 06.02.23 | 18.02.23 |
| LP2/23 | 20.03.23 | 19.04.23 | 24.04.23 | 06.05.23 |
| LP3/23 | 05.06.23 | 05.07.23 | 10.07.23 | 22.07.23 |
| LP4/23 | 28.08.23 | 27.09.23 | 02.10.23 | 14.10.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

| | | | | |
|---|--------------|--|----------------|--|
| Sample material | | | | |
| serum, lyophilized, 2 samples each 3 ml | | | | |
| Analytes | | | | |
| apolipoproteins (A, B) | homocysteine | | lipoprotein(a) | |
| cholesterol | LDL | | triglycerides | |
| HDL | | | | |

NBS - Newborn screening

| Survey | Application deadline | Sample dispatch date | survey period | |
|---------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| NBS1/23 | 19.12.22 | 25.01.23 | 30.01.23 | 18.02.23 |
| NBS2/23 | 06.03.23 | 04.04.23 | 11.04.23 | 29.04.23 |
| NBS3/23 | 29.05.23 | 28.06.23 | 03.07.23 | 22.07.23 |
| NBS4/23 | 14.08.23 | 13.09.23 | 18.09.23 | 07.10.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

| | | | | |
|--|--|--|--|--|
| Sample material | | | | |
| filter papers, each with 2 dried blood spots | | | | |
| Analytes | | | | |
| TSH | | | | |
| 17-OH-progesterone | | | | |
| IRT | | | | |
| PAP | | | | |

OH - Hemoglobin derivates

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| OH1/23 | 12.12.22 | 11.01.23 | 16.01.23 | 28.01.23 |
| OH2/23 | 06.03.23 | 04.04.23 | 11.04.23 | 22.04.23 |
| OH3/23 | 19.06.23 | 19.07.23 | 24.07.23 | 05.08.23 |
| OH4/23 | 18.09.23 | 18.10.23 | 23.10.23 | 04.11.23 |

€ Net prices plus VAT (Standard shipping within Germany included)

▶ Sample material

hemolysate, 2 samples each 0,5 ml

▶ Analytes

hemoglobin (total)

oxyhemoglobin (HbO₂)

carboxyhemoglobin (COHb)

methemoglobin (metHb)

OS - Bone metabolism

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| OS1/23 | 13.03.23 | 12.04.23 | 17.04.23 | 29.04.23 |
| OS2/23 | 31.07.23 | 30.08.23 | 04.09.23 | 16.09.23 |

€ Net prices plus VAT (Standard shipping within Germany included)

▶ Sample material

serum, lyophilized, 2 samples each 2 ml

▶ Analytes

osteocalcin

bone specific alkaline phosphatase (BAP)

CTX (CrossLaps)

P1NP

PH - Photometer control

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| PH1/23 | 19.12.22 | 25.01.23 | 30.01.23 | 11.02.23 |
| PH2/23 | 24.07.23 | 23.08.23 | 28.08.23 | 09.09.23 |

€ Net prices plus VAT (Standard shipping within Germany included)

▶ Sample material

watery coloured solutions, 6 ampoules each 10 ml

▶ Wave lengths

260 nm

280 nm

334 nm

340 nm

365 / 366 nm

405 nm

546 nm

560 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 wave lengths listed can be tested.

RE - Reticulocytes

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| RE1/23 | 28.11.22 | 31.01.23 | 01.02.23 | 08.02.23 |
| RE2/23 | 06.03.23 | 09.05.23 | 10.05.23 | 17.05.23 |
| RE3/23 | 08.05.23 | 11.07.23 | 12.07.23 | 19.07.23 |
| RE4/23 | 07.08.23 | 10.10.23 | 11.10.23 | 18.10.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

▶ Sample material

blood preparation, liquid, 2 samples each about 1 ml

▶ Analyte

reticulocyte count

▶ Information

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

RF - Rheumatoid factors

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| RF1/23 | 16.01.23 | 15.02.23 | 20.02.23 | 04.03.23 |
| RF2/23 | 03.04.23 | 03.05.23 | 08.05.23 | 20.05.23 |
| RF3/23 | 26.06.23 | 26.07.23 | 31.07.23 | 12.08.23 |
| RF4/23 | 28.08.23 | 27.09.23 | 02.10.23 | 14.10.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

▶ 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 |
| SA1/23 | 05.12.22 | 01.03.23 | 06.03.23 | 18.03.23 |
| SA2/23 | 08.05.23 | 02.08.23 | 07.08.23 | 19.08.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

▶ 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 |
| SD1/23 | 05.12.22 | 04.01.23 | 09.01.23 | 28.01.23 |
| SD2/23 | 27.02.23 | 29.03.23 | 03.04.23 | 22.04.23 |
| SD3/23 | 22.05.23 | 21.06.23 | 26.06.23 | 15.07.23 |
| SD4/23 | 14.08.23 | 13.09.23 | 18.09.23 | 07.10.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

▶ 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 |
| SP1/23 | 16.01.23 | 15.02.23 | 20.02.23 | 11.03.23 |
| SP2/23 | 03.07.23 | 02.08.23 | 07.08.23 | 26.08.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

▶ Sample material

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

▶ Analytes

| | | | | |
|-----------|----------|----------|-----------|----------|
| aluminium | chromium | fluoride | manganese | selenium |
| arsenic | cobalt | iron | mercury | zinc |
| cadmium | copper | lead | nickel | |

SV - Saliva diagnostic

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| SV1/23 | 06.03.23 | 04.04.23 | 11.04.23 | 22.04.23 |
| SV2/23 | 31.07.23 | 30.08.23 | 04.09.23 | 16.09.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

▶ 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 |
| SW1/23 | 13.02.23 | 15.03.23 | 20.03.23 | 01.04.23 |
| SW2/23 | 10.07.23 | 09.08.23 | 14.08.23 | 26.08.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

▶ 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 |
|--------|----------------------|---------------|--------------|
| TH1/23 | 09.12.22 | 07.03.23 | 13.04.23 |
| TH2/23 | | 23.05.23 | 27.06.23 |
| TH3/23 | | 29.08.23 | 03.10.23 |
| TH4/23 | | 07.11.23 | 12.12.23 |

€ Net prices plus VAT (Standard shipping within Germany 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.

Result submission via internet/report internet, annual subscription fee
Result submission via internet/report internet+post, annual subscription fee

▶ Sample material

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

▶ Analytes 4 per year: TH1/23, TH2/23, TH3/23, TH4/23

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 / Antiphospholipide 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 (TH2/23 + TH4/23)

Thrombin Generation Test (TH2/23 + TH4/23)

ADAMTS-13 - II (antibodies) (TH2/23 + TH4/23)

Faktor IX Inhibitor (TH1/23 + TH3/23)

HIT - I Immunological testing (TH1/23 + TH3/23)

▶ Analytes 1 per year:

ADAMTS-13 - III (functional inhibitor) (TH2/23)

▶ **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 volume (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 programme.

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 63/64.

TM - Tumor markers group 1

| Survey | Application deadline | Sample dispatch date | survey period from | to |
|--------|----------------------|----------------------|--------------------|----------|
| TM1/23 | 05.12.22 | 04.01.23 | 09.01.23 | 28.01.23 |
| TM2/23 | 27.02.23 | 29.03.23 | 03.04.23 | 22.04.23 |
| TM3/23 | 22.05.23 | 21.06.23 | 26.06.23 | 15.07.23 |
| TM4/23 | 14.08.23 | 13.09.23 | 18.09.23 | 07.10.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

▶ **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 |
|---------|----------------------|----------------------|--------------------|----------|
| TMX1/23 | 05.12.22 | 04.01.23 | 09.01.23 | 28.01.23 |
| TMX2/23 | 27.02.23 | 29.03.23 | 03.04.23 | 22.04.23 |
| TMX3/23 | 22.05.23 | 21.06.23 | 26.06.23 | 15.07.23 |
| TMX4/23 | 14.08.23 | 13.09.23 | 18.09.23 | 07.10.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

▶ **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 |
| TR1/23 | 05.12.22 | 04.01.23 | 09.01.23 | 21.01.23 |
| TR2/23 | 13.02.23 | 15.03.23 | 20.03.23 | 01.04.23 |
| TR3/23 | 29.05.23 | 28.06.23 | 03.07.23 | 15.07.23 |
| TR4/23 | 25.09.23 | 25.10.23 | 30.10.23 | 11.11.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

▶ 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 |
| VT1/23 | 30.01.23 | 01.03.23 | 06.03.23 | 18.03.23 |
| VT2/23 | 03.07.23 | 02.08.23 | 07.08.23 | 19.08.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

▶ 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 |
| ZL1/23 | 28.11.22 | 01.03.23 | 06.03.23 | 11.03.23 |
| ZL2/23 | 12.06.23 | 13.09.23 | 18.09.23 | 23.09.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

▶ 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 |
| ZY1/23 | 16.01.23 | 15.02.23 | 20.02.23 | 04.03.23 |
| ZY2/23 | 27.03.23 | 26.04.23 | 01.05.23 | 13.05.23 |
| ZY3/23 | 26.06.23 | 26.07.23 | 31.07.23 | 12.08.23 |
| ZY4/23 | 25.09.23 | 25.10.23 | 30.10.23 | 11.11.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

▶ 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 |
| AI1/23 | 12.12.22 | 22.02.23 | 27.02.23 | 11.03.23 |
| AI2/23 | 19.06.23 | 30.08.23 | 04.09.23 | 16.09.23 |

€ Net prices plus VAT (Standard shipping within Germany included)

▶ 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 |
| AL1/23 | 09.01.23 | 08.02.23 | 13.02.23 | 25.02.23 |
| AL2/23 | 03.04.23 | 03.05.23 | 08.05.23 | 20.05.23 |
| AL3/23 | 26.06.23 | 26.07.23 | 31.07.23 | 12.08.23 |
| AL4/23 | 28.08.23 | 27.09.23 | 02.10.23 | 14.10.23 |

€ Net prices plus VAT (Standard shipping within Germany included)

▶ 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):

AL1/23: mite (d1), Peanut (f13), alder (t2), honey bee venom (i1), cultivated rye (g12), cat dander (e1)

AL2/23: dog epithelia (e2), salmon (f41), maple (t1), wasp venom (i3), ribwort plantain (w9), mugwort (w6)

AL3/23: mite (d2), apple (f49), birch (t3), honey bee venom (i1), barley (g18), hazelnut (f17)

AL4/23: cat dander (e1), walnut (f16), hazelnut (t4), wasp venom (i3), common ragweed (w1), ribwort plantain (w9)

▶ 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 |
| BorrBimm1/23 | 17.04.23 | 24.05.23 | 29.05.23 | 10.06.23 |
| BorrBimm2/23 | 17.07.23 | 20.09.23 | 25.09.23 | 07.10.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

▶ 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 |
| CMVimm1/23 | 02.01.23 | 08.03.23 | 13.03.23 | 25.03.23 |
| CMVimm2/23 | 19.06.23 | 23.08.23 | 28.08.23 | 09.09.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

▶ Sample material

4 liquid samples of defibrinated plasma or serum

▶ Analytes

Anti-CMV IgG + total

Anti-CMV IgM

CoVimm - SARS-CoV-2 Immunology

| Survey | Application deadline | Sample dispatch date | survey period | |
|------------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| CoVimm1/23 | 13.03.23 | 17.05.23 | 22.05.23 | 27.05.23 |
| CoVimm2/23 | 07.08.23 | 11.10.23 | 16.10.23 | 21.10.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

▶ Sample material

4 liquid samples 0,4 - 0,6 ml of defibrinated serum

▶ Analytes

Anti-SARS-CoV-2 total

Anti-S (Spike-protein) total

Anti-N (Nucleocapsid) total

DF - Hematology - Differential blood count

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| DF1/23 | 19.12.22 | 18.01.23 | 23.01.23 | 04.02.23 |
| DF2/23 | 20.03.23 | 19.04.23 | 24.04.23 | 06.05.23 |
| DF3/23 | 12.06.23 | 12.07.23 | 17.07.23 | 29.07.23 |
| DF4/23 | 21.08.23 | 20.09.23 | 25.09.23 | 07.10.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

➤ **Sample material**

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

DS - Drug screening in urine

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| DS1/23 | 09.01.23 | 08.02.23 | 13.02.23 | 25.02.23 |
| DS2/23 | 03.04.23 | 03.05.23 | 08.05.23 | 20.05.23 |
| DS3/23 | 19.06.23 | 19.07.23 | 24.07.23 | 05.08.23 |
| DS4/23 | 25.09.23 | 25.10.23 | 30.10.23 | 11.11.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

➤ **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 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 |
| EBVimm1/23 | 16.01.23 | 22.02.23 | 27.02.23 | 11.03.23 |
| EBVimm2/23 | 17.07.23 | 23.08.23 | 29.08.23 | 10.09.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

➤ **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 |
| HAVimm1/23 | 02.01.23 | 08.03.23 | 13.03.23 | 25.03.23 |
| HAVimm2/23 | 19.06.23 | 23.08.23 | 28.08.23 | 09.09.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

> 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 |
| HBVimm11/23 | 02.01.23 | 08.03.23 | 13.03.23 | 25.03.23 |
| HBVimm12/23 | 19.06.23 | 23.08.23 | 28.08.23 | 09.09.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

> Sample material

4 liquid samples of defibrinated plasma or serum

> Analytes

HBsAg Anti-HBs Anti-HBc

HBVimm2 - HBV serology major

| Survey | Application deadline | Sample dispatch date | survey period | |
|-------------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| HBVimm21/23 | 02.01.23 | 08.03.23 | 13.03.23 | 25.03.23 |
| HBVimm22/23 | 19.06.23 | 23.08.23 | 28.08.23 | 09.09.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

> Sample material

4 liquid samples of defibrinated plasma or serum

> Analytes

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

HCVimm - HCV serology

| Survey | Application deadline | Sample dispatch date | survey period | |
|------------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| HCVimm1/23 | 02.01.23 | 08.03.23 | 13.03.23 | 25.03.23 |
| HCVimm2/23 | 19.06.23 | 23.08.23 | 28.08.23 | 09.09.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

▶ **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 |
| HerpVimm1/23 | 16.01.23 | 22.02.23 | 27.02.23 | 11.03.23 |
| HerpVimm2/23 | 17.07.23 | 23.08.23 | 29.08.23 | 10.09.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

▶ **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 |
| HIVimm1/23 | 02.01.23 | 08.03.23 | 13.03.23 | 25.03.23 |
| HIVimm2/23 | 19.06.23 | 23.08.23 | 28.08.23 | 09.09.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

▶ **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 |
| HS1/23 | 09.01.23 | 08.02.23 | 13.02.23 | 25.02.23 |
| HS2/23 | 03.07.23 | 02.08.23 | 07.08.23 | 19.08.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

▶ **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 |
| HTLVimm1/23 | 09.01.23 | 08.02.23 | 13.02.23 | 25.02.23 |
| HTLVimm2/23 | 03.07.23 | 02.08.23 | 07.08.23 | 19.08.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

▶ **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 |
| IA1/23 | 02.01.23 | 31.01.23 | 01.02.23 | 11.02.23 |
| IA2/23 | 20.03.23 | 18.04.23 | 19.04.23 | 29.04.23 |
| IA3/23 | 26.06.23 | 25.07.23 | 26.07.23 | 05.08.23 |
| IA4/23 | 22.09.23 | 17.10.23 | 18.10.23 | 28.10.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

▶ **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 |
| IH1/23 | 16.01.23 | 14.02.23 | 15.02.23 | 25.02.23 |
| IH2/23 | 27.03.23 | 25.04.23 | 26.04.23 | 06.05.23 |
| IH3/23 | 29.05.23 | 27.06.23 | 28.06.23 | 08.07.23 |
| IH4/23 | 04.09.23 | 02.10.23 | 04.10.23 | 14.10.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

▶ **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 |
| IM1/23 | 16.01.23 | 14.02.23 | 15.02.23 | 25.02.23 |
| IM2/23 | 27.03.23 | 25.04.23 | 26.04.23 | 06.05.23 |
| IM3/23 | 29.05.23 | 27.06.23 | 28.06.23 | 08.07.23 |
| IM4/23 | 04.09.23 | 02.10.23 | 04.10.23 | 14.10.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

▶ 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 |
| KUST1/23 | 12.12.22 | 11.01.23 | 16.01.23 | 28.01.23 |
| KUST2/23 | 20.02.23 | 22.03.23 | 27.03.23 | 08.04.23 |
| KUST3/23 | 15.05.23 | 14.06.23 | 19.06.23 | 01.07.23 |
| KUST4/23 | 21.08.23 | 20.09.23 | 25.09.23 | 07.10.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

▶ 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 |
| MaMulmm1/23 | 16.01.23 | 22.02.23 | 27.02.23 | 11.03.23 |
| MaMulmm2/23 | 17.07.23 | 23.08.23 | 29.08.23 | 10.09.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

▶ 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 |
| OB1/23 | 30.01.23 | 01.03.23 | 06.03.23 | 25.03.23 |
| OB2/23 | 17.07.23 | 16.08.23 | 21.08.23 | 09.09.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

▶ 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 |
| pvB19imm1/23 | 02.01.23 | 08.03.23 | 13.03.23 | 25.03.23 |
| pvB19imm2/23 | 19.06.23 | 23.08.23 | 28.08.23 | 09.09.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

▶ 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 |
| RoetLimm1/23 | 17.04.23 | 24.05.23 | 29.05.23 | 10.06.23 |
| RoetLimm2/23 | 17.07.23 | 20.09.23 | 25.09.23 | 07.10.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

▶ 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 |
| SX1/23 | 20.03.23 | 19.04.23 | 24.04.23 | 13.05.23 |
| SX2/23 | 10.07.23 | 09.08.23 | 14.08.23 | 02.09.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

▶ **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 |
| ToxoGimm1/23 | 17.04.23 | 24.05.23 | 29.05.23 | 10.06.23 |
| ToxoGimm2/23 | 17.07.23 | 20.09.23 | 25.09.23 | 07.10.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

▶ **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 |
| TrepPimm1/23 | 17.04.23 | 24.05.23 | 29.05.23 | 10.06.23 |
| TrepPimm2/23 | 17.07.23 | 20.09.23 | 25.09.23 | 07.10.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

▶ **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 |
| TX1/23 | 09.01.23 | 08.02.23 | 13.02.23 | 25.02.23 |
| TX2/23 | 19.06.23 | 19.07.23 | 24.07.23 | 05.08.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

▶ **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 |
| US1/23 | 06.03.23 | 15.03.23 | 20.03.23 | 15.04.23 |
| US2/23 | 11.09.23 | 20.09.23 | 25.09.23 | 21.10.23 |

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

▶ **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 |
| VariAimm1/23 | 17.04.23 | 24.05.23 | 29.05.23 | 10.06.23 |
| VariAimm2/23 | 17.07.23 | 20.09.23 | 25.09.23 | 07.10.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

▶ **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 |
| ZZ1/23 | 01.05.23 | 10.05.23 | 15.05.23 | 27.05.23 |
| ZZ2/23 | 11.09.23 | 20.09.23 | 25.09.23 | 07.10.23 |

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

▶ **Sample material**

web-based assessment of cytopspin 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 |
|--------|----------------------|----------------------|--------------------|----------|
| BA1/23 | 13.02.23 | 10.05.23 | 15.05.23 | 27.05.23 |
| BA2/23 | 10.07.23 | 04.10.23 | 09.10.23 | 21.10.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

▶ **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 |
|-------------|----------------------|----------------------|--------------------|----------|
| BakNAT11/23 | 20.03.23 | 10.05.23 | 15.05.23 | 27.05.23 |
| BakNAT12/23 | 28.08.23 | 18.10.23 | 23.10.23 | 04.11.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

▶ **Sample material**

lyophilized DNA, 4 samples

▶ **Analytes**

set 1: Bordetella pertussis
 set 2: Chlamydia pneumoniae
 set 3: Mycoplasma pneumoniae
 set 4: Coxiella burnetii
 set 5: Francisella tularensis
 set 6: Legionella pneumophila
 set 7: MRSA

BakNAT2 - Genome evidence group 2

| Survey | Application deadline | Sample dispatch date | survey period from | to |
|-------------|----------------------|----------------------|--------------------|----------|
| BakNAT21/23 | 20.03.23 | 10.05.23 | 15.05.23 | 27.05.23 |
| BakNAT22/23 | 28.08.23 | 18.10.23 | 23.10.23 | 04.11.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

▶ **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 |
| BakNAT31/23 | 20.03.23 | 10.05.23 | 15.05.23 | 27.05.23 |
| BakNAT32/23 | 28.08.23 | 18.10.23 | 23.10.23 | 04.11.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

▶ **Sample material**

lyophilized DNA, 4 samples

▶ **Analytes**

set 1: Chlamydia trachomatis

set 2: Neisseria gonorrhoeae

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

| Survey | Application deadline | Sample dispatch date | survey period | |
|-------------------------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| BAK-TK1/23 Set 1 | 20.03.23 | 19.04.23 | 20.04.23 | 21.04.23 |
| BAK-TK1/23 Set 2 + 3 | 20.03.23 | 19.04.23 | 20.04.23 | 03.05.23 |
| BAK-TK2/23 Set 1 | 09.10.23 | 08.11.23 | 09.11.23 | 10.11.23 |
| BAK-TK2/23 Set 2 + 3 | 09.10.23 | 08.11.23 | 09.11.23 | 22.11.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

▶ **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 |
| BM1/23 | 13.02.23 | 09.05.23 | 15.05.23 | 27.05.23 |
| BM2/23 | 10.07.23 | 04.10.23 | 09.10.23 | 21.10.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

▶ **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-Stscre1/23 | 30.01.23 | 22.03.23 | 27.03.23 | 08.04.23 |
| B-Stscre2/23 | 14.08.23 | 04.10.23 | 09.10.23 | 21.10.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

▶ **Sample material**

4 samples, gel smear tubes

▶ **Analytes**

B-Streptococci screening for cultural evidence and NAT-methods

CdToxin - Clostridium (Clostridiodes) difficile toxin genome

| Survey | Application deadline | Sample dispatch date | survey period | |
|-------------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| CdToxin1/23 | 30.01.23 | 22.03.23 | 27.03.23 | 08.04.23 |
| CdToxin2/23 | 14.08.23 | 04.10.23 | 09.10.23 | 21.10.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

▶ **Sample material**

4 lyophilized control samples

▶ **Analyte**

Clostridium (Clostridiodes) difficile toxin genome

ChlamTra - Chlamydia trachomatis AG

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| ChlamTra1/23 | 20.03.23 | 10.05.23 | 15.05.23 | 27.05.23 |
| ChlamTra2/23 | 28.08.23 | 18.10.23 | 23.10.23 | 04.11.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

▶ **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 |
|-----------|----------------------|----------------------|--------------------|----------|
| CoVag1/23 | 09.01.23 | 08.03.23 | 13.03.23 | 25.03.23 |
| CoVag2/23 | 19.06.23 | 23.08.23 | 28.08.23 | 09.09.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

▶ **Sample material**

4 samples, inactive virus in 1ml cell culture supernatant

▶ **Analyte**

SARS-CoV-2 antigen

CoVpcr - Genome evidence of SARS-CoV-2 and variants of concern

| Survey | Application deadline | Sample dispatch date | survey period from | to |
|------------|----------------------|----------------------|--------------------|----------|
| CoVpcr1/23 | 09.01.23 | 08.03.23 | 13.03.23 | 25.03.23 |
| CoVpcr2/23 | 19.06.23 | 23.08.23 | 28.08.23 | 09.09.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

▶ **Sample material**

4 samples, inactive virus in 1ml cell culture supernatant

▶ **Analyte**

Qualitative evidence of SARS-CoV-2 genome
Determination of the variants

CrypCand - Cryptococcus neoformans and candida albicans antigen

| Survey | Application deadline | Sample dispatch date | survey period from | to |
|--------------|----------------------|----------------------|--------------------|----------|
| CrypCand1/23 | 16.01.23 | 22.02.23 | 27.02.23 | 11.03.23 |
| CrypCand2/23 | 17.07.23 | 23.08.23 | 29.08.23 | 10.09.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

▶ **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 |
| GP1/23 | 19.12.22 | 22.02.23 | 27.02.23 | 11.03.23 |
| GP2/23 | 12.06.23 | 16.08.23 | 21.08.23 | 02.09.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

▶ **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 |
| HEVpcr1/23 | 05.12.22 | 08.02.23 | 13.02.23 | 25.02.23 |
| HEVpcr2/23 | 29.05.23 | 02.08.23 | 07.08.23 | 19.08.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

▶ **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-RSV1/23 | 20.02.23 | 26.04.23 | 01.05.23 | 13.05.23 |
| Infl-RSV2/23 | 14.08.23 | 18.10.23 | 23.10.23 | 04.11.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

▶ **Sample material**

NaCl-matrix, 4 samples, each 1 ml

▶ **Analytes**

set 1: Influenza Ag
set 2: RSV Ag

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

| Survey | Application deadline | Sample dispatch date | survey period from | to |
|-------------------------|----------------------|----------------------|--------------------|----------|
| MMR _{PCR} 1/23 | 23.01.23 | 29.03.23 | 03.04.23 | 15.04.23 |
| MMR _{PCR} 2/23 | 31.07.23 | 04.10.23 | 09.10.23 | 21.10.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

▶ **Sample material**

4 samples, virus material in plasma

▶ **Analytes**

Set 1: Measles 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} 1/23 | 30.01.23 | 22.03.23 | 27.03.23 | 08.04.23 |
| MRGN _{ScRe} 2/23 | 14.08.23 | 04.10.23 | 09.10.23 | 21.10.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

▶ **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} 1/23 | 20.03.23 | 10.05.23 | 15.05.23 | 27.05.23 |
| MRSAS _{ScRe} 2/23 | 28.08.23 | 18.10.23 | 23.10.23 | 04.11.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

▶ **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 |
| MykCult1/23 | 20.03.23 | 10.05.23 | 15.05.23 | 03.06.23 |
| MykCult2/23 | 28.08.23 | 18.10.23 | 23.10.23 | 11.11.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

> **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 |
| MykIdent1/23 | 20.02.23 | 22.03.23 | 27.03.23 | 08.04.23 |
| MykIdent2/23 | 04.09.23 | 04.10.23 | 09.10.23 | 21.10.23 |

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

> **Sample material**

virtual microscopy of 2 preparations

> **Analytes**

Identification of fungi

NoroPCR - Norovirus PCR

| Survey | Application deadline | Sample dispatch date | survey period | |
|-------------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| NoroPCR1/23 | 23.01.23 | 29.03.23 | 03.04.23 | 15.04.23 |
| NoroPCR2/23 | 31.07.23 | 04.10.23 | 09.10.23 | 21.10.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

> **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 |
| ParasitB1/23 | 27.03.23 | 26.04.23 | 01.05.23 | 13.05.23 |
| ParasitB2/23 | 18.09.23 | 18.10.23 | 23.10.23 | 04.11.23 |

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

> **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 |
| ParasitS1/23 | 27.03.23 | 26.04.23 | 01.05.23 | 13.05.23 |
| ParasitS2/23 | 18.09.23 | 18.10.23 | 23.10.23 | 04.11.23 |

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

➤ **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 |
| PolyVir11/23 | 06.03.23 | 09.05.23 | 15.05.23 | 27.05.23 |
| PolyVir12/23 | 14.08.23 | 17.10.23 | 23.10.23 | 04.11.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

➤ **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 |
| PolyVir21/23 | 20.02.23 | 25.04.23 | 01.05.23 | 13.05.23 |
| PolyVir22/23 | 31.07.23 | 04.10.23 | 09.10.23 | 21.10.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

➤ **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 |
| ToxoGen1/23 | 20.03.23 | 10.05.23 | 15.05.23 | 27.05.23 |
| ToxoGen2/23 | 28.08.23 | 18.10.23 | 23.10.23 | 04.11.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

▶ Sample material

lyophilized DNA, 4 samples

▶ Analytes

Toxoplasma Gondii Genome

TubDiag - Tuberculosis diagnostic

| Survey | Application deadline | Sample dispatch date | survey period | |
|--------------------------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| TubDiag1/23 Set 1 + 4 | 16.01.23 | 21.03.23 | 23.03.23 | 07.04.23 |
| TubDiag1/23 Set 2 | 16.01.23 | 21.03.23 | 23.03.23 | 02.06.23 |
| TubDiag1/23 Set 3 + 5 | 16.01.23 | 21.03.23 | 23.03.23 | 12.05.23 |
| TubDiag1/23 Set 6 | 16.01.23 | 21.03.23 | 23.03.23 | 28.04.23 |
| TubDiag2/23 Set 1 + 4 | 10.07.23 | 12.09.23 | 14.09.23 | 29.09.23 |
| TubDiag2/23 Set 2 | 10.07.23 | 12.09.23 | 14.09.23 | 24.11.23 |
| TubDiag2/23 Set 3 + 5 | 10.07.23 | 12.09.23 | 14.09.23 | 03.11.23 |
| TubDiag2/23 Set 6 | 10.07.23 | 12.09.23 | 14.09.23 | 20.10.23 |

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

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

▶ 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 a 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 |
|-------------|----------------------|----------------------|--------------------|----------|
| VREscre1/23 | 30.01.23 | 22.03.23 | 27.03.23 | 08.04.23 |
| VREscre2/23 | 14.08.23 | 04.10.23 | 09.10.23 | 21.10.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

▶ **Sample material**

4 samples, gel smear tubes

▶ **Analytes**

Cultural proof of VRE

Molecular diagnostic proof of Van A / Van B

Ejaculate investigation

EJ - Semen analysis

| Survey | Application deadline | Sample dispatch date | survey period from | to |
|--------|----------------------|----------------------|--------------------|----------|
| EJ1/23 | 27.02.23 | 20.03.23 | 22.03.23 | 20.04.23 |
| EJ2/23 | 02.10.23 | 16.10.23 | 18.10.23 | 16.11.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

▶ **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 |
|-----------|----------------------|----------------------|--------------------|----------|
| ctDNA1/23 | 16.01.23 | 28.03.23 | 03.04.23 | 29.04.23 |
| ctDNA2/23 | 17.07.23 | 26.09.23 | 02.10.23 | 28.10.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

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

▶ Sample material

EDTA-plasma, 3 samples each 3 ml

▶ Analyte

set A: KRAS proto-oncogene, GTPase (KRAS)
 - KRAS p.G12 (KRAS, LRG_344p1:p.Gly12Cys/Arg/Ser, rs121913530)
 - KRAS p.G12 (KRAS, LRG_344p1:p.Gly12Val/Ala/Asp, rs121913529)
 - KRAS p.G13 (KRAS, LRG_344p1:p.Gly13Cys/Arg/Ser, rs121913535)
 - KRAS p.G13 (KRAS, LRG_344p1:p.Gly13Val/Ala/Asp, rs112445441)

set B: BRAF proto-oncogene, serine/threonine kinase (BRA)
 - BRAF p.V600E (BRAF, LRG_299p1:p.Val600Glu, rs113488022)

set C: Epidermal growth factor receptor (EGFR)
 - EGFR p.T790M (EGFR, LRG_304t1:c.2369C>T, rs121434569)

set D: NRAS proto-oncogene, GTPase (NRAS)
 - NRAS p.Q61 (NRAS, LRG_92p1:p.Gln61Ter/Glu/Lys, rs121913254)
 - NRAS p.Q61 (NRAS, LRG_92p1:p.Gln61Leu/Arg/Pro, rs11554290)
 - NRAS p.Q61 (NRAS, LRG_92p1:p.Gln61His, rs121913255)

▶ Information

This survey is only available for european participants because of lacking sample stability with expanded shipment period.

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

For certification, you have to report the concentration and the identification of the determined genotypes.

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

DI - DNA isolation

| Survey | Application deadline | Sample dispatch date | survey period from | to |
|--------|----------------------|----------------------|--------------------|----------|
| DI1/23 | 09.01.23 | 08.03.23 | 13.03.23 | 08.04.23 |
| DI2/23 | 19.06.23 | 23.08.23 | 28.08.23 | 23.09.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

▶ Sample material

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

▶ Analyte

DNA isolation
 - FV-Leiden (F5, LRG_553p1:p.Arg534Gln, rs6025)
 - FV-H1299R (F5, LRG_553p1:p.His1327Arg, rs1800595)
 - FV-Cambridge (F5, LRG_553p1:p.Arg334Thr, rs118203906)
 - FV-Hong-Kong (F5, LRG_553p1:p.Arg334Gly, rs118203905)
 - FII g20210a (F2, LRG_551t1:c.*97G>A, rs1799963)

DNA isolation

Methylenetetrahydrofolate reductase (MTHFR)
 - MTHFR C677T (MTHFR, LRG_726p1:p.Ala222Val, rs1801133)
 - MTHFR A1298C (MTHFR, LRG_726p1:p.Glu429Ala, rs1801131)
 Hereditäre Hämochromatose (HFE)
 - HFE H63D (HFE, LRG_748p1:p.His63Asp, rs1799945)
 - HFE C282Y (HFE, LRG_748p1:p.Cys282Tyr, rs1800562)
 - HFE S65C (HFE, LRG_748p1:p.Ser65Cys, rs1800730)

➤ **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 |
| MG11/23 | 09.01.23 | 08.03.23 | 13.03.23 | 01.04.23 |
| MG12/23 | 19.06.23 | 23.08.23 | 28.08.23 | 16.09.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

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

➤ **Analytes**

- set A:
- FV-Leiden (F5, LRG_553p1:p.Arg534Gln, rs6025)
 - FII g20210a, (F2, LRG_551t1:c.*97G>A, rs1799963)
Methylenetetrahydrofolate reductase (MTHFR)
 - MTHFR C677T (MTHFR, LRG_726p1:p.Ala222Val, rs1801133)
 - MTHFR A1298C (MTHFR, LRG_726p1:p.Glu429Ala, rs1801131)
 - PAI-I 4G5G (SERPINE1, LRG_597t1:c.-820_-817G(4_5), rs1799762)
- set B:
- FXIII V34L (F13A1, LRG_549p1:p.Val35Leu, rs5985)
 - GPIIIa (ITGB3, LRG_481p1:p.Leu59Pro, 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, LRG_582:g.3588G>T, rs9923231)
 - VKORC1 C1173T (VKORC1, LRG_582t1:c.174-136C>T, rs9934438)
 - FXII c46t (F12, LRG_145t1:c.-4T>C, rs1801020)
 - FV-H1299R (F5, LRG_553p1:p.His1327Arg, rs1800595)
- set C:
- Alpha-1-Antitrypsin, (serpin family A member1)
 - AAT-PI*S (SERPINA1, LRG_575p1:p.Glu288Val, rs17580)
 - AAT-PI*Z (SERPINA1, LRG_575p1:p.Glu366Lys, rs28929474)
Apolipoprotein E (APOE)
 - ApoE2 (APOE, NP_000032.1:p.Arg176Cys, rs7412)
 - ApoE4 (APOE, NP_000032.1:p.Cys130Arg, rs429358)
 - ApoB100 (APOB, NP_000375.3:p.Arg3527Gln, 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, LRG_1244p1:p.Ala150Pro, rs1800546)
 - AldoB 174 (ALDOB, LRG_1244p1:p.Ala175Asp, rs76917243)
 - AldoB 334 (ALDOB, LRG_1244p1:p.Asn335Lys, rs78340951)

- set D: Hereditäre Hämochromatose (HFE)
- HFE H63D (HFE, LRG_748p1:p.His63Asp, rs1799945)
 - HFE C282Y (HFE, LRG_748p1:p.Cys282Tyr, rs1800562)
 - HFE S65C (HFE, LRG_748p1:p.Ser65Cys, rs1800730)
 - LCT c.-13910t (LCT, LRG_338t1:c.-13907C>T, rs4988235)
Nucleotide binding oligomerization domain containing 2 (NOD2)
 - NOD R702W (NOD2, LRG_177p1:p.Arg702Trp, rs2066844)
 - NOD G908R (NOD2, LRG_177p1:p.Gly908Arg, rs2066845)
 - NOD L1007finsC (NOD2, LRG_177p1:p.Leu1007fs, rs2066847)
- set E:
- ATP7B-C3207A (ATP7B, NP_000044.2:p.His1069Gln, rs76151636)
 - FSAP Marburg-I (HABP2, NP_004123.1:p.Gly534Glu, rs7080536)
 - ITGA2 Gplalla C807T (ITGA2, LRG_1001p1:p.Phe253=, rs1126643)
 - Col1A1 SP1 (Col1A1, NM_000088.4:c.104-441G>T, rs1800012)
Vitamin D receptor (VDR)
 - VDR BsmI (VDR, NM_000376.3:c.1024+283G>A, rs1544410)
 - VDR ApaI (VDR, NM_000376.3:c.1025-49G>T, rs7975232)
 - VDR TaqI (VDR, NP_000367.1:p.Ile352=, rs731236)
- set F:
- Faktor VII (R353Q) (F7, LRG_554p1:p.Arg413Gln, rs6046)
 - AT3 Cambridge Typ I/II (SERPINC1, LRG_577p1:p.Ala416Pro/Ser, rs121909548)
 - CYP3A5*3 (CYP3A5, NM_000777.5:c.219-237A>G, rs776746)

Information 1

Please take into account the division into sets A, B, C, D, E, F when you order this survey (see application form). Please mark the sets needed on that form.

MG2 - Molecular genetics group 2

| Survey | Application deadline | Sample dispatch date | survey period | |
|---------|----------------------|----------------------|---------------|----------|
| | | | from | to |
| MG21/23 | 09.01.23 | 08.03.23 | 13.03.23 | 01.04.23 |
| MG22/23 | 19.06.23 | 23.08.23 | 28.08.23 | 16.09.23 |

€ Net prices plus VAT (Standard shipping within Germany included)

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, LRG_874p1:p.Ala80Pro, rs1800462)
 - TPMT*3B (TPMT, LRG_874p1:p.Ala154Thr, rs1800460)
 - TPMT*3C (TPMT, LRG_874p1:p.Tyr240Cys, rs1142345)
 - CYP2C8*3 (CYP2C8, NP_000761.3:p.Lys399Arg, rs10509681)
Cytochrom P450 2C9 (CYP2C9)
 - CYP2C9*2 (CYP2C9, LRG_1195p1:p.Arg144Cys, rs1799853)
 - CYP2C9*3 (CYP2C9, LRG_1195p1:p.Ile359Leu, rs1057910)
 - UGT1A1*28 (UGT1A1, LRG_733t1:c.-41_-40dup, rs3064744)
Dihydropyrimidine dehydrogenase (DPYD)
 - DPYD*2A (DPYD, LRG_722t1:c.1905+1G>A, rs3918290)
 - DPYD*13 (DPYD, LRG_722p1:p.Ile560Ser, rs55886062)
 - DPYD p.D949V (DPYD, LRG_722p1:p.Asp949Val, rs67376798)
 - DPYD c.1129-5923C>G (DPYD, LRG_722:g.346167C>G, rs75017182)
 - DPYD c.1236G>A (DPYD, LRG_722p1:p.Glu412=, rs56038477)
 - DPYD HapB3 (DPYD, LRG_722:g.346167C>G, rs75017182 or DPYD, LRG_722p1:p.Glu412=, rs56038477)
 - DPD activity score acc. to CPIC
 - BCHE A (D70G) (BCHE, NP_000046.1:p.Asp98Gly, rs1799807)
 - BCHE K (A567T) (BCHE, NP_000046.1:p.Ala567Thr, rs1803274)

- set B: KRAS proto-oncogene, GTPase (KRAS)
- KRAS p.G12 (KRAS, LRG_344p1:p.Gly12Cys/Arg/Ser, rs121913530)
 - KRAS p.G12 (KRAS, LRG_344p1:p.Gly12Val/Ala/Asp, rs121913529)
 - KRAS p.G13 (KRAS, LRG_344p1:p.Gly13Cys/Arg/Ser, rs121913535)
 - KRAS p.G13 (KRAS, LRG_344p1:p.Gly13Val/Ala/Asp, rs112445441)
 - KRAS p.Q61 (KRAS, LRG_344p1:p.Gln61Glu/Lys, rs121913238)
 - KRAS p.Q61 (KRAS, LRG_344p1:p.Gln61Leu/Arg/Pro, rs121913240)
 - KRAS p.Q61 (KRAS, LRG_344p1:p.Gln61His, rs17851045)
 - BRAF proto-oncogene, serine/threonine kinase (BRAF)
 - BRAF p.V600E (BRAF, LRG_299p1:p.Val600Glu, rs113488022)
 - BRAF p.V600K (BRAF, LRG_299p1:p.Val600Lys, rs121913227)
 - cKIT p.D816V (KIT, LRG_307p1:p.Asp816Val, rs121913507)
 - NRAS proto-oncogene, GTPase (NRAS)
 - NRAS p.Q61 (NRAS, LRG_92p1:p.Gln61Ter/Glu/Lys, rs121913254)
 - NRAS p.Q61 (NRAS, LRG_92p1:p.Gln61Leu/Arg/Pro, rs11554290)
 - NRAS p.Q61 (NRAS, LRG_92p1:p.Gln61His, 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: Cytochrom P450 2D6 (CYP2D6)
- CYP2D6*2-296 (CYP2D6, LRG_303p1:p.Arg296Cys, rs16947)
 - CYP2D6*2-486 (CYP2D6, LRG_303p1:p.Ser486Thr, rs1135840)
 - CYP2D6*3 (CYP2D6, LRG_303p1:p.Arg259fs, rs35742686)
 - CYP2D6*4 (CYP2D6, LRG_303t1:c.506-1G>A, rs3892097)
 - CYP2D6*6 (CYP2D6, LRG_303p1:p.Trp152fs, rs5030655)
 - CYP2D6*7 (CYP2D6, LRG_303p1:p.His324Pro, rs5030867)
 - CYP2D6*8 (CYP2D6, LRG_303p1:p.Gly169Ter, rs5030865)
 - CYP2D6*9 (CYP2D6, LRG_303p1:p.Lys281del, rs5030656)
 - CYP2D6*10 (CYP2D6, LRG_303p1:p.Pro34Ser, rs1065852)
 - CYP2D6*17 (CYP2D6, LRG_303p1:p.Thr107Ile, rs28371706)
 - CYP2D6*35 (CYP2D6, LRG_303p1:p.Val11Met, rs769258)
 - CYP2D6*41 (CYP2D6, LRG_303t1:c.985+39G>A, rs28371725)
 - CYP2D6*5 (CYP2D6, Deletion)
 - CYP2D6*xN (CYP2D6, Duplikation/Amplifikation)
 - Cytochrom P450 2C19 (CYP2C19)
 - CYP2C19*2 (CYP2C19, NP_000760.1:p.Pro227=, rs4244285)
 - CYP2C19*3 (CYP2C19, NP_000760.1:p.Trp212Ter, rs4986893)
 - CYP2C19*17 (CYP2C19, NG_008384.3:g.4220C>T, rs12248560)
- set E: - HLA B*57:01 (HLA-B, NM_005514.8)
- Cytochrom P450 2B6 (CYP2B6)
 - CYP2B6*4 (CYP2B6, LRG_1267p1:p.Lys262Arg, rs2279343)
 - CYP2B6*9 (CYP2B6, LRG_1267p1:p.Gln172His, rs3745274)
 - CYP2B6*6 (CYP2B6, LRG_1267p1:p.[Lys262Arg, Gln172His], rs2279343 und rs3745274)
 - ABCB1 c.3435C>T (ABCB1, NP_001335875.1:p.Ile1145=, rs1045642)
 - CCR5-del32bp (CCR5, NP_001381712.1:p.Ser185fs, rs333)
- set F: - IL28B (C/T Polymorphismus) (IFNL4, NM_001276254.2:c.151-152G>A, rs12979860)
- IL6 G(-174)C (IL6, NG_011640.1:g.4880C>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, F when you order this survey (see application form). Please mark the sets needed on that form.

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 |
|--------|----------------------|----------------------|--------------------|----------|
| SQ1/23 | 09.01.23 | 08.03.23 | 13.03.23 | 08.04.23 |
| SQ2/23 | 19.06.23 | 23.08.23 | 28.08.23 | 23.09.23 |

€ **Net prices plus VAT** (Standard shipping within Germany included)

▶ **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**

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No matter whether you are a participant in a survey, a prospective customer or are simply visiting our website: we respect and protect your private sphere. In accordance with Art. 13 of the EU General Data Protection Regulation (EU-GDPR), we hereby inform you of the means by which we collect, process and use your personal data. At the same time, we especially focus on transparent use of your data by the RfB that's fair for you. The following provides you with an overview of what personal data we collect from you and what we do with it. We also inform you of your rights according to data protection legislation in effect and let you know who you can consult if you have any further questions.

Who are we?

The Reference Institute for Bioanalytics (Referenzinstitut für Bioanalytik or RfB for short) is one of two survey organisations which is officially commissioned by the German Medical Association to conduct surveys for external quality control.

Responsible party as per EU-GDPR

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How your data is processed

What personal data do we collect from you?

We collect your personal data if you have registered for the surveys 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, survey results and all related documents. IT usage data (IP address, date and time of connection).

Where does this data come from?

You yourself provide us with this information when you sign up to use our services. If you are a participant: from your written registration, from a message from you via E-mail, fax or telephone, from messages over our website or, if we are missing important communication information, from internet research as well. In some cases, we also obtain your contact information from external cooperation partners. When our internet services are used, pseudonymised usage data in the form of IP addresses is collected.

What do we use this data for and what are the legal bases for doing so?

Fulfilment of contractual relationships (Art. 6 Para. 1b EU-GDPR): As a general rule, you are engaging in a business relationship with us (an ongoing contract) or the data processing is necessary at your request to conduct pre-contractual measures, such as: For the fulfilment of contractual relationships, such as surveys ordered, as well as to bill for services received: To fulfil your requests and improve our offerings based on a balancing of interests (Art. 6 Para. 1f EU-GDPR): To ensure orderly operation and to optimise our offerings: We monitor the use of our services in order to ensure capacity and IT security. This is done based on IP addresses. We do not attempt to allocate the IP addresses used to your user account. Due to statutory requirements (Art. 6 Para. 1c EU-GDPR): As a special-purpose enterprise of the Foundation for Pathobiochemistry and Molecular Diagnostics, we are subject to numerous provisions of fiscal and commercial legislation. We must process and store your data in order to comply with these provisions.

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.

How long will we store your data for?

Different periods of time apply to the storage duration of your data: Tax-related data will, as a rule, be stored for 10 years Commerce-related data will, as a rule, be stored for 6 years Usage data such as connection history (pseudonymised by IP address): 1 year

Will we transfer your data to a third party?

Data collection companies have been commissioned to record your survey results which we receive in hard copy (fax or letter). All persons involved are obliged to comply strictly with all relevant data protection requirements.

External service providers

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.

Transfer to other survey organisers

If you have registered with us for a survey which 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 survey to the cooperation partner.

What other rights do you have?

Right to information, correction, deletion and restriction In accordance with Articles 14-17 of the EU-GDPR, we hereby inform you that you have the right to information, correction, deletion or restriction of the processing of your data.

Right to revocation

If you have granted your consent to the data processing, you may revoke this at any time without affecting the legality of the processing which had already taken place based on the consent until it was revoked.

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You have the right to file a complaint with a competent supervisory authority at any time.

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Further information

Should you have any further questions or suggestions, we will be glad to assist you at any time.



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