

Surveys 2024

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



**Quality assurance
in medical laboratory**

Imprint

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Dear participant,
and those interested,

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

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

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

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

We look forward to continuing our successful collaboration with you!

With best regards on behalf of the RfB team



Gunther Schabio



Dr. Anja Kessler



Calibration laboratories of RfB

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.

Dr. Caroline Stobe

A handwritten signature in black ink.

Dr. Denis Grote Koska

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

Services of the RfB calibration laboratories

Analyte	Matrices	Measurement range
17-Hydroxyprogesterone	Serum, plasma	1 – 2500 nmol L ⁻¹
α -Amylase (AMY)	Serum, plasma	0,058 – 12,0 μ kat L ⁻¹
Alanine aminotransferase (ALT)	Serum, plasma	0,072 – 4,75 μ kat L ⁻¹
Aldosterone	Serum, plasma	0,05 – 3,5 nmol L ⁻¹
Alkaline phosphatase (ALP)	Serum, plasma	0,092 – 11,3 μ kat L ⁻¹
Aspartate aminotransferase (AST)	Serum, plasma	0,040 – 4,17 μ kat L ⁻¹
Bilirubin	Serum, plasma	5 – 525 μ mol 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 μ mol L ⁻¹
Creatinine	Urine	0,4 – 40 mmol L ⁻¹
Creatine kinase (CK)	Serum, plasma	0,155 – 24,33 μ kat 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 μ mol L ⁻¹
Uric acid	Urine	0,1 – 10 mmol L ⁻¹
Urea	Serum, plasma	0,5 – 50 mmol L ⁻¹
Urea	Urine	0,5 – 1000 mmol L ⁻¹
HbA1c	Whole blood, haemolysate	29 – 150 mmol L ⁻¹
Potassium	Serum, plasma, urine	0,75 – 75 mmol L ⁻¹
Lactate dehydrogenase (LDH)	Serum, plasma	0,145 – 10 μ kat 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 μ kat L ⁻¹

Topics

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

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

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

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

B1

AD Automated differential count	page 9
The proficiency test was supplemented by the analyte platelets; results can be given optically, impedance or fluorescence depending on the detection methods.	
AS (asparaginase): Erwinia, E.coli, PEG-E.coli asparaginase	page 10
KL Clinical chemical analytes in cerebrospinal fluid (CSF)	page 19
The proficiency test has been extended by the possibility to provide information on light chain analysis.	

B3

BakNAT1 (Genom evidence group 1)	page 43
Please note the new set composition. Coxiella burnetii and Francisella tularensis have been moved to another survey.	
BakNAT4 (Genom evidence group 4)	page 44
This survey contains Coxiella burnetii (set 1) and Francisella tularensis (set 2).	
CDToxin (Clostridioides difficile toxin genome)	page 46
The survey was supplemented by the analyte detection ribotype 027.	
LegAg (Legionella pneumophila antigen evidence in urine)	page 48

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

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

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

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

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

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Quantitative determinations

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14	EG	Ethylglucuronide
14	ET	Ethanol
14	FD	Faeces diagnostics
15	GH	Glycated hemoglobin
15	GL	Glucose („wet“ and „POCT/dry chemistry“) (special offer for small laboratories)
16	GR	Coagulation
16	HA	Hematology - Full blood count
17	HB	Hemoglobin and Hematocrit
17	HM	Hormones - group 1
18	HP	Hormones - group 2
18	IG	Serum proteins
19	IS	Immunophenotyping
19	KL	Clinical chemical analytes in cerebrospinal fluid (CSF)
20	KS	Clinical chemical analytes in serum „wet chemistry“
21	KU	Clinical chemical analytes in urine
21	LP	Lipoproteins
22	NBS	Newborn screening
22	OH	Hemoglobin derivates
22	OS	Bone metabolism
23	PH	Photometer control
23	RE	Reticulocytes
24	RF	Rheumatoid factors
24	SA	Thyroid antibodies
25	SD	Pregnancy diagnostic
25	SP	Trace elements in urine
26	SV	Saliva diagnostic
26	SW	Sweat analysis
27	TH	Thrombophilia screening (cooperation with the Dutch organization ECAT)
28	TM	Tumor markers group 1
28	TMX	Tumor markers group 2
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30	ZY	Cytokines

Qualitative determinations

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

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35	HerpVimm	Herpes viruses serology
36	HIVimm	HIV serology
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38	KUST	Clinical chemistry in urine, test strip and pregnancy test, qualitative
38	MaMulimm	Morbilli and mumps serology
39	OB	Oligoclonal bands in cerebrospinal fluid (CSF)
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Direct detections of pathogens

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

Ejaculate investigation

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

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Our website address is:

www.rfb.bio

Open to all interested people, you can find there:

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

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

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

How to order surveys / fees / invoice /notes

► Contract type

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

► Contract type A - subscription

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

► Contract type B - yearly order

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

► Information for application

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

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

► Ordering

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

► Changes of orders

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

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

► Fees and invoice

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

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

► Notes:

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

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

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

Quantitative determinations

AD - Automatic differential count

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

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

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

► **Sample material**

blood, liquid, 2 samples each 1 ml

► **Analytes**

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

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

► **Information**

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

AK - Therapeutic drug monitoring

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

€ Fee for each survey, net prices plus VAT

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

► **Sample material**

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

► **Analytes**

set 1	
carbamazepine	phenytoin
digoxin	primidone
ethosuximide	theophylline
lithium	valproic acid
phenobarbital	

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
AM1/24	04.12.23	02.01.24	08.01.24	20.01.24
AM2/24	26.02.24	26.03.24	01.04.24	13.04.24
AM3/24	27.05.24	25.06.24	01.07.24	13.07.24
AM4/24	19.08.24	17.09.24	23.09.24	05.10.24

€ Fee for each survey, net prices plus VAT

each additional required pair of samples **34,50 €**
17,00 €

► **Sample material**

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

► **Analyte**

ammonia

AS - Asparaginase

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

€ Fee for each survey, net prices plus VAT

each additional required pair of samples **125,00 €**
60,00 €

► **Sample material**

Serum, lyophilised, 3x2 samples with 1 ml each

► **Analyte**

Erwinia Asparaginase

E.coli Asparaginase

PEG-E.coli Asparaginase

BF - Body fluid

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

€ Fee for each survey, net prices plus VAT

each additional required pair of samples **72,50 €**
50,00 €

► **Sample material**

Point Preparation, liquid, 2 samples each 2 ml

► **Analyses**

erythrocyte count

leukocyte count

► **Information**

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

BG - Blood gas

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

€ Fee for each survey, net prices plus VAT

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

► **Sample material**

gas equilibrated solution, liquid, 2 ampoules each 2 ml

► **Analytes**

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

BI - Neonatal bilirubin

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

€ Fee for each survey, net prices plus VAT

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

► **Sample material**

serum, lyophilized, 2 samples each 2 ml

► **Analytes**

bilirubin, total	bilirubin, direct	bilirubin, unconjugated
		bilirubin, indirect

► **Information**

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

CM - Cardiac markers

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

€ Fee for each survey, net prices plus VAT

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

► Sample material

serum, lyophilized
serum, lyophilized
set 1: 2 samples each 2 ml
set 2: 2 samples each 1 ml
If you only order set 2, you will only receive samples for the determination of BNP.

► Analytes

set 1	set 2
CK-MB mass + activity	NT-proBNP
myoglobin	cardiac troponin I

cardiac troponin T
test strips

CMX - Cardiac markers in whole blood

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

€ Fee for each survey, net prices plus VAT

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

► Sample material

whole blood, liquid, 2 samples each 1 ml

► Analytes

NT-proBNP	cardiac troponin I	cardiac troponin T
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CS - Immunosuppressives

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

€ Fee for each survey, net prices plus VAT

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

► Sample material

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

► Analytes

set 1	set 2
cyclosporine	everolimus
sirolimus	
tacrolimus	

DD - D-Dimer

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

€ Fee for each survey, net prices plus VAT

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

► Sample material

plasma, lyophilized, 2 samples each 1 ml

► Analyte

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

DT - CD Transferrin

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

€ Fee for each survey, net prices plus VAT

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

► Sample material

serum, lyophilized, 2 samples each 0,5 ml

► Analyte

CDT (Carbohydrate Deficient Transferrin)

EG - Ethylglucuronide

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

€ Fee for each survey, net prices plus VAT

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

► Sample material

urine, lyophilized, 2 samples each 1 ml

► Analyte

Ethylglucuronide, Coitinin

ET - Ethanol

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

€ Fee for each survey, net prices plus VAT

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

► Sample material

serum, liquid, 2 samples each 2 ml

► Analyte

ethanol

FD - Faeces diagnostics

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

€ Fee for each survey, net prices plus VAT

evaluation pair analytical results

1-2 52,00 €

3-4 88,00 €

each additional required pair of samples 50,00 €

► Sample material

stool, lyophilized, 2 samples each 0,2 ml

► Analytes

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

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

GH - Glycated hemoglobin

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

€ Fee for each survey, net prices plus VAT

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

► **Sample material**

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

► **Analytes**

HbA1c

GL - Glucose (wet and POCT/dry chemistry)

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

€ Fee for each survey, net prices plus VAT

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

► **Sample material**

serum, lyophilized, 2 samples each 2 ml

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

► **Analyte**

glucose

► **Information**

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

GR - Coagulation

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

€ Fee for each survey, net prices plus VAT

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

► **Sample material**

plasma, lyophilized, 2 samples each 1 ml

► **Analytes**

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

HA - Hematology - Full blood count

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

€ Fee for each survey, net prices plus VAT

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

► **Sample material**

prepared blood, liquid, 2 samples each 2 ml

► **Analytes**

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

► **Information**

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

HB - Hemoglobin and Hematocrit

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

€ Fee for each survey, net prices plus VAT

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

► **Sample material**

prepared blood, liquid, 2 samples each 2 ml

► **Analytes**

hematocrit	hemoglobin
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HM - Hormones - Group 1

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

€ Fee for each survey, net prices plus VAT

evaluation pair analytical results	53,00 €
1-4	5,00 €
each additional 4 pairs analytical results	34,50 €
each additional required pair of samples	

► **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	

HP - Hormones - Group 2

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

€ Fee for each survey, net prices plus VAT

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

► **Sample material**

serum, lyophilized, 2 samples each 3 ml

► **Analytes**

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

IG - Serum proteins

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

€ Fee for each survey, net prices plus VAT

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

► **Sample material**

serum, liquid, 2 samples each 1 ml

► **Analytes**

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

IS - Immunophenotyping (flow cytometry)

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

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

45,00 €
each additional required pair of samples 28,00 €

► **Sample material**

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

► **Analytes**

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

► **Information**

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

KL - Clinical chemical analytes in cerebrospinal fluid (CSF)

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

€ Fee for each survey, net prices plus VAT

48,50 €
each additional required set of samples 26,00 €

► **Sample material**

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

► **Analytes**

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

► **Information**

The additional serum samples serve to calculate the corresponding quotients.

KS - Clinical chemical analytes in serum „wet chemistry“

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

€ Fee for each survey, net prices plus VAT

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

► Sample material

serum, lyophilized, 2 samples each 5 ml

► Analytes

α-amylase	CK, creatine kinase	lipase
α-HBDH, lactate dehydrogenase-1-isoenzyme	iron	lithium
albumin (chem.)	γ-globulin (electrophoresis)	magnesium
albumin (elektrophoresis)	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 activity)
calcium, ionized	potassium	triglycerides
chloride	creatinine	
cholesterol	copper	
cholinesterase	lactate	
	LDH, lactate dehydrogenase	

KU - Clinical chemical analytes in urine

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

€ Fee for each survey, net prices plus VAT

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

► **Sample material**

urine, lyophilized, 2 samples each 5 ml

► **Analytes**

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

► **Information**

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

LP - Lipoproteins

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

€ Fee for each survey, net prices plus VAT

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

► **Sample material**

serum, lyophilized, 2 samples each 3 ml

► **Analytes**

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

NBS - Newborn screening

Survey	Application deadline	Sample dispatch date	survey period from	to
NBS1/24	18.12.23	23.01.24	29.01.24	17.02.24
NBS2/24	04.03.24	02.04.24	08.04.24	27.04.24
NBS3/24	27.05.24	25.06.24	01.07.24	20.07.24
NBS4/24	12.08.24	10.09.24	16.09.24	05.10.24

€ Fee for each survey, net prices plus VAT

each additional required set of samples **49,50 €**
31,00 €

► **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
OH1/24	11.12.23	09.01.24	15.01.24	27.01.24
OH2/24	04.03.24	02.04.24	08.04.24	20.04.24
OH3/24	17.06.24	16.07.24	22.07.24	03.08.24
OH4/24	16.09.24	15.10.24	21.10.24	02.11.24

€ Fee for each survey, net prices plus VAT

each additional required pair of samples **41,00 €**
23,00 €

► **Sample material**

hemolysate, 2 samples each 0,5 ml

► **Analytes**

hemoglobin (total)
oxyhemoglobin (HbO_2) carboxyhemoglobin (COHb)
methemoglobin (metHb)

OS - Bone metabolism

Survey	Application deadline	Sample dispatch date	survey period from	to
OS1/24	11.03.24	09.04.24	15.04.24	27.04.24
OS2/24	29.07.24	27.08.24	02.09.24	14.09.24

€ Fee for each survey, net prices plus VAT

each additional required pair of samples **99,00 €**
57,00 €

► **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
PH1/24	18.12.23	23.01.24	29.01.24	10.02.24
PH2/24	22.07.24	20.08.24	26.08.24	07.09.24

€ Fee for each survey, net prices plus VAT

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

► Sample material

watery coloured solutions, 6 ampoules each 10 ml

► Wave lengths

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

► Information

The participant measures the absorption of the coloured solutions.

The survey is an instrument control and can also aid in detecting the smaller inaccuracies of a photometer before they are identified in analyses results.

Only the wavelengths listed can be tested.

RE - Reticulocytes

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

€ Fee for each survey, net prices plus VAT

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

► Sample material

blood preparation, liquid, 2 samples each about 1 ml

► Analyte

reticulocyte count

► Information

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

RF - Rheumatoid factors

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

€ Fee for each survey, net prices plus VAT

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

► Sample material

serum, lyophilized, 2 samples each 1 ml

► Analytes

set 1

rheumatoid factors
anti-CCP-Ab (anti-cyclic citrullinated peptide antibodies)
IgA-RF
IgG-RF
IgM-RF

qualitative and quantitative

set 2

anti-streptolysin O

qualitative and quantitative

SA - Thyroid antibodies

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

€ Fee for each survey, net prices plus VAT

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

► Sample material

serum, lyophilized, 2 samples each 1 ml

► Analytes

TSH-R Ab: thyrotropin-receptor antibodies (TR Ab)
TPO Ab: thyroid peroxidase antibodies (TPO Ab)
TG Ab: thyroglobulin antibodies (TG Ab)

SD - Pregnancy diagnostic

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

€ Fee for each survey, net prices plus VAT

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

► Sample material

serum, lyophilized
 set 1: 2 samples each 2 ml
 set 2: 2 samples each 1 ml
 In set 2 (free estriol) nativ, human samples are used.

► Analytes

set 1
 AFP
 anti-Müllerian hormone (AMH)
 hCG
 free β-hCG
 PAPP-A
set 2
 free estriol

► Information

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

SP - Trace elements in urine

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

€ Fee for each survey, net prices plus VAT

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

► Sample material

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

► Analytes

aluminium	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
SV1/24	04.03.24	02.04.24	08.04.24	20.04.24
SV2/24	29.07.24	27.08.24	02.09.24	14.09.24

€ Fee for each survey, net prices plus VAT

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

► Sample material

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

► Analytes

cortisol, 17-OH-progesterone

SW - Sweat analysis

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

€ Fee for each survey, net prices plus VAT

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

► Sample material

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

► Analytes

chloride, conductivity

TH - Thrombophilia screening

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

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

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

Fee

Result submission via internet/report internet, annual subscription fee	147,00 €
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The following prices are valid in each case for all four surveys:

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

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

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

The following prices are valid in each case for one survey

ADAMTS-13 - III (functional inhibitor) test	104,50 €
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► Sample material

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

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

Thrombophilia module I

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

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

Thrombophilia module II (APC Resistance)

Lupus Anticoagulant / Antiphospholipid Antibodies

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

ADAMTS-13 - I (activity and antigen)

Factor XIII (activity and antigen)

Fibrinolysis parameters I (Plasminogen, Antiplasmin)

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

Unfractionated Heparin Monitoring (anti-Xa)

Low-Molecular Weight Heparin Monitoring (anti-Xa)

► Analytes 2 per year:

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

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

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

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

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

► Analytes 1 per year:

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

► Information

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

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

Sample material

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

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

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

The result submission is only possible via internet.

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

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

TM - Tumor markers group 1

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

€ Fee for each survey, net prices plus VAT

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

► Sample material

serum, lyophilized, 2 samples each 2,5 ml

► Analytes

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

TMX - Tumor markers group 2

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

€ Fee for each survey, net prices plus VAT

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

► Sample material

serum, lyophilized, 2 samples each 1 ml

► Analytes

chromogranin A	human epidermal growth factor receptor 2	CA 50
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TR - Clinical chemical analytes in serum „dry chemistry“

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

€ Fee for each survey, net prices plus VAT

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

► Sample material

serum, lyophilized, 2 samples each 5 ml

► Analytes

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

► Information

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

VT - Vitamins and analgesics

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

€ Fee for each survey, net prices plus VAT

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

► Sample material

serum, lyophilized, 2 samples each 3 ml

► Analytes

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

ZL - Cell count in cerebrospinal fluid (CSF)

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

€ Fee for each survey, net prices plus VAT

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

► **Sample material**

punctuated, liquid, 2 samples each about 2 ml

► **Analytes**

erythrocyte count
leukocyte count

► **Information**

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

ZY - Cytokines

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

€ Fee for each survey, net prices plus VAT

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

► **Sample material**

serum, lyophilized, 2 samples each 2 ml

► **Analytes**

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

PCT-POCT
IL-6-POCT

Qualitative determinations

AI - Antinuclear antibodies

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

€ Fee for each survey, net prices plus VAT

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

► **Sample material**

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

► **Analytes**

set 1	set 2
ANA (antinuclear ab)	AMA (antimitochondrial ab)
ENA (extractable antinuclear ab)	SMA (smooth muscle ab)
ds-DNA-ab	LKM-1 (liver-kidney-microsomes)
ANCA (antineutrophil cytoplasmatic ab)	GBM (glomerular base membran ab)
	Antiphospholipide ab
	Celiak disease ab
	Onconeural ab

AL - Allergology

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

€ Fee for each survey, net prices plus VAT

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

► **Sample material**

serum, lyophilized set 1: 2 samples each 1 ml for IgE total
 serum, lyophilized set 2: 2 samples each 1 ml for specific IgE antibodies
 The volume of the specimens can be different depending on the producer.

The samples for the determination of specific IgE-antibodies (set 2) contain seasonal and perennial allergens from inhalation, food, and insects. Expected the following allergens will be offered (changes may be possible):
 AL1/24: Ragweed (w1), Been venom (i1), Ash pollen (t25), Hazelnut (f17), Dog dander (e5), Milbe (d2)
 AL2/24: A. fumigatus (m3), Mugwort (w6), Birch pollen (t3), C. herbarum (m2), Milk protein (f2), Wasp venom (i3)
 AL3/24: Pear (f94), Alder pollen (t2), Mite (d1), Plantain (w9), Tomato (f25), Wasp venom (i3)
 AL4/24: Maple pollen (t1), Bee venom (i1), Strawberry (f44), House dust (h1), Horse dander (e3), Rey flour (f5)

► **Analytes**

IgE specific IgE antibodies

► **Information**

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

BorrBimm - Anti-Borrelia burgdorferi

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

€ Fee for each survey, net prices plus VAT

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

► Sample material

4 liquid samples of defibrinated plasma or serum

► Analytes

Anti-Borrelia burgdorferi IgG,
including confirmation test

Anti-Borrelia burgdorferi IgM

Anti-Borrelia burgdorferi total

CMVimm - CMV Serology

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

€ Fee for each survey, net prices plus VAT

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

► Sample material

4 liquid samples of defibrinated plasma or serum

► Analytes

Anti-CMV IgG + total

Anti-CMV IgM

DF - Hematology - Differential blood count

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

€ Fee for each survey, net prices plus VAT

each additional required pair of samples	49,00 €
	30,00 €

► **Sample material**

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

► **Information**

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

DS - Drug screening in urine

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

€ Fee for each survey, net prices plus VAT

each additional required pair of samples	64,00 €
	38,00 €

► **Sample material**

urine, lyophilized, 2 samples each 10 ml

► **Analytes**

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

► **Information**

Per survey, the samples do contain selected drugs from a lot of substances of a drug group.

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

EBVimm - Epstein-Barr-Virus serology

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

€ Fee for each survey, net prices plus VAT

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

► Sample material

plasma, 4 samples, each 500 µl

► Analytes

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

HAVimm - HAV serology

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

€ Fee for each survey, net prices plus VAT

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

► Sample material

4 liquid samples of defibrinated plasma or serum

► Analytes

Anti-HAV IgG	Anti-HAV IgM	Anti-HAV total
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HBVimm1 - HBV serology minor

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

€ Fee for each survey, net prices plus VAT

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

► Sample material

4 liquid samples of defibrinated plasma or serum

► Analytes

HBsAg	Anti-HBs	Anti-HBc
including confirmation test		

HBVimm2 - HBV serology major

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

€ Fee for each survey, net prices plus VAT

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

► Sample material

4 liquid samples of defibrinated plasma or serum

► Analytes

HBsAg	Anti-HBc	Anti-HBe
Anti-HBs	HBe	Anti-HBc-IgM
including confirmation test		

HCVimm - HCV serology

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

€ Fee for each survey, net prices plus VAT

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

► Sample material

4 liquid samples of defibrinated plasma or serum

► Analytes

Anti-HCV IgG + IgM

HerpVimm - Herpes viruses serology

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

€ Fee for each survey, net prices plus VAT

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

► Sample material

plasma, 4 samples, each 500 µl

► Analytes

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

HIVimm - HIV serology

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

€ Fee for each survey, net prices plus VAT

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

► Sample material

4 liquid samples of defibrinated plasma or serum

► Analytes

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

HS - Urinary calculus

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

€ Fee for each survey, net prices plus VAT

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

► Sample material

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

► Information

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

HTLVimm - Human T-lymphotropic virus

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

€ Fee for each survey, net prices plus VAT

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

► Sample material

Iyophilized plasma, 4 samples

► Analyt

Anti-HTLV -1/-2 IgG

IA - Immunohematology for automated systems

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

€ Fee for each survey, net prices plus VAT

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

► **Sample material**

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

► **Analytes**

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

IH - Immunohematology Major (extended offer)

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

€ Fee for each survey, net prices plus VAT

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

► **Sample material**

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

► **Analytes**

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

► **Information**

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

IM - Immunohematology Minor (basic programm)

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

€ Fee for each survey, net prices plus VAT

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

► **Sample material**

erythrocyte suspension, liquid
serum, liquid

2 samples about 2 ml
2 samples about 3 ml

► **Analytes**

AB0-system (blood groups)
A-subgroups
rhesus-factor (D-variants)

rhesus-system (rhesus-formula)
Cw antigen

Kell antigen
direct Coombs' test
antibody test

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

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

€ Fee for each survey, net prices plus VAT

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

► **Sample material**

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

► **Analytes**

Test strip
bilirubin
ketone
pH

protein
glucose
microalbumin
hemoglobin

leukocytes
nitrite
specific gravity
urobilinogen

pregnancy test

MaMulImm - Morbilli and mumps serology

Survey	Application deadline	Sample dispatch date	survey period from	to
MaMulImm1/24	15.01.24	20.02.24	26.02.24	09.03.24
MaMulImm2/24	29.07.24	03.09.24	09.09.24	21.09.24

€ Fee for each survey, net prices plus VAT

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

► **Sample material**

plasma, 4 samples, each 500 µl

► **Analytes**

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

OB - Oligoclonal bands in cerebrospinal fluid (CSF)

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

€ Fee for each survey, net prices plus VAT

each additional required pair of samples	44,00 € 23,00 €
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► Sample material

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

► Analytes

oligoclonal bands in cerebrospinal fluid; diagnosis can be given.

pvB19imm - Parvovirus B19 serology

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

€ Fee for each survey, net prices plus VAT

each additional required set of samples	100,00 € 52,00 €
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► Sample material

4 liquid samples of defibrinated plasma or serum

► Analytes

Anti-Parvovirus B19 IgG + total	Anti-Parvovirus B19 IgM
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RoetLimm - Anti-Rubella-Virus

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

€ Fee for each survey, net prices plus VAT

each additional required set of samples	51,00 € 27,00 €
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► Sample material

4 liquid samples of defibrinated plasma or serum

► Analytes

Anti-Rubella-Virus IgG	Anti-Rubella-Virus IgM
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SX - Systematic toxicologic analysis

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

€ Fee for each survey, net prices plus VAT

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

► Sample material

urine, lyophilized, 2 samples each 10 ml

► Analytes

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

ToxoGimm - Anti-Toxoplasma-gondii

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

€ Fee for each survey, net prices plus VAT

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

► Sample material

4 liquid samples of defibrinated plasma or serum

► Analytes

Anti-Toxoplasma-gondii IgG	Anti-Toxoplasma-gondii IgM	Anti-Toxoplasma-gondii total
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TrepPimm - Anti-Treponema pallidum

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

€ Fee for each survey, net prices plus VAT

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

► Sample material

4 liquid samples of defibrinated plasma or serum

► Analytes

Anti-Treponema pallidum IgG	Anti-Treponema pallidum IgM	Anti-Treponema pallidum total
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TX - Toxicologic analyses

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

€ Fee for each survey, net prices plus VAT

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

► **Sample material**

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

► **Analytes**

qualitative search for foreign substances in urine/serum

► **Information**

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

US - Urine sediment

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

€ Fee for each survey, net prices plus VAT

26,00 €

► **Sample material**

web-based, virtual microscopy of two urine sediments

► **Analytes**

Qualitative and semi-quantitative determinations
Morphology

VariAimm - Various immunological analytes

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

€ Fee for each survey, net prices plus VAT

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

► **Sample material**

4 liquid samples of defibrinated plasma or serum

► **Analytes**

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

ZZ - Cerebrospinal fluid cytology

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

€ Fee for each survey, net prices plus VAT

46,00 €

► **Sample material**

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

► **Analytes**

Both preparations are to be assessed for morphology and diagnosis

Direct detection of pathogens

BA - Bacteriology Major

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

€ Fee for each survey, net prices plus VAT

96,00 €

► **Sample material**

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

► **Investigation target**

identification and resistance testing

BakNAT1 - Genome evidence group 1

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

€ Fee for each survey, net prices plus VAT

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

► **Sample material**

Lyophilized DNA, 4 samples

► **Analytes**

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

BakNAT2 - Genome evidence group 2

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

€ Fee for each survey, net prices plus VAT

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

► **Sample material**

Iyophilized DNA, 4 samples

► **Analytes**

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

BakNAT3 - Genome evidence group 3

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

€ Fee for each survey, net prices plus VAT

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

► **Sample material**

Iyophilized DNA, 4 samples

► **Analytes**

- set 1: *Chlamydia trachomatis*
- set 2: *Neisseria gonorrhoeae*

BakNAT4 - Genome evidence group 3

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

€ Fee for each survey, net prices plus VAT

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

► **Sample material**

Iyophilized DNA, 4 samples

► **Analytes**

- set 1: *Coxiella burnetii*
- set 2: *Francisella tularensis*

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

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

€ Fee for each survey, net prices plus VAT

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

► Sample material

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

► Investigation target

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

► Information

Set 3 can only be ordered in conjunction with set 2.

Due to German postal regulations for infectious material, these surveys cannot be delivered to participants outside Germany.

BM - Bacteriology Minor

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

€ Fee for each survey, net prices plus VAT

76,00 €

► Sample material

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

► Investigation target

identification and resistance testing

B-Stscre - B-Streptococci screening

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

€ Fee for each survey, net prices plus VAT

87,00 €

► Sample material

4 samples, gel smear tubes

► Analytes

B-Streptococci screening for cultural evidence and NAT-methods

CdToxin - Clostridioides (Clostridium) difficile toxin genome

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

€ Fee for each survey, net prices plus VAT

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

► Sample material

4 lyophilized control samples

► Analyte

Clostridioides (Clostridium) difficile toxin genome
Detection Ribotype 027

ChlamTra - Chlamydia trachomatis AG

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

€ Fee for each survey, net prices plus VAT

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

► Sample material

urine, 4 samples, each 0,5 ml

► Analyte

Chlamydia trachomatis antigen

CoVag - Evidence of SARS-CoV-2 antigen

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

€ Fee for each survey, net prices plus VAT

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

► Sample material

4 samples, inactive virus in 1 ml cell culture supernatant

► Analyte

SARS-CoV-2 antigen

CoVpcr - Genome evidence of SARS-CoV-2

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

€ Fee for each survey, net prices plus VAT

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

► **Sample material**

4 samples, inactive virus in 1 ml cell culture supernatant

► **Analyte**

Qualitative evidence of SARS-CoV-2 genome

CrypCand - Cryptococcus neoformans and candida albicans antigen

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

€ Fee for each survey, net prices plus VAT

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

► **Sample material**

serum, 4 samples, each 0,5 ml

► **Analytes**

Cryptococcus neoformans and Candida albicans antigen

GP - Gram-staining

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

€ Fee for each survey, net prices plus VAT

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

► **Sample material**

2 fixed unstained smears

► **Examination**

Judgement of staining and morphology

HEVpcr - Hepatitis E virus

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

€ Fee for each survey, net prices plus VAT

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

► Sample material

human plasma, 4 samples (liquid ready to use)

► Analyte

HEV-RNA

Infl-RSV - Influenca and RSV antigen evidence

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

€ Fee for each survey, net prices plus VAT

one set	88,00 €
both sets	130,00 €

► Sample material

NaCl-matrix, 4 samples, each 1 ml

► Analytes

set 1: Influenza antigen

set 2: RSV antigen

LegAg - Legionella pneumophilia antigen evidence

► Information

Due to the expansion of our range of analytes, the LegAg survey is now being continued as UrinAg (see UrinAg, page 53).

MMRpcr - Genome evidence measles, mumps, rubella

Survey	Application deadline	Sample dispatch date	survey period from	to
MMRpcr1/24	22.01.24	26.03.24	01.04.24	13.04.24
MMRpcr2/24	29.07.24	01.10.24	07.10.24	19.10.24

€ Fee for each survey, net prices plus VAT

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

► Sample material

4 samples, virus material in plasma

► Analytes

Set 1: Measels virus

Set 2: Mumps virus

Set 3: Rubella virus

MRGNscre - MRGN Screening

Survey	Application deadline	Sample dispatch date	survey period from	to
MRGNscre1/24	29.01.24	19.03.24	25.03.24	06.04.24
MRGNscre2/24	12.08.24	01.10.24	07.10.24	19.10.24

€ Fee for each survey, net prices plus VAT

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

► Sample material

4 samples, gel smear tubes

► Analytes

Culture proof of MRGN

Molecular diagnostic proof of Carbapenemases

MRSAscre - MRSA Screening

Survey	Application deadline	Sample dispatch date	survey period from	to
MRSAscre1/24	18.03.24	07.05.24	13.05.24	25.05.24
MRSAscre2/24	26.08.24	15.10.24	21.10.24	02.11.24

€ Fee for each survey, net prices plus VAT

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

► Sample material

4 eSwab tubes, 1 ml

► Analytes

MRSA Screening for cultural evidence and NAT-methods

Detection Panton-Valentine leucocidin (PVL)

MykCult - Cultivation and identification of fungi

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

€ Fee for each survey, net prices plus VAT

53,00 €
each additional required set of samples
33,00 €

► **Sample material**

4 samples, gel smear tubes

► **Analytes**

Cultivation and identification of fungi

MykIdent - Identification of fungi

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

€ Fee for each survey, net prices plus VAT

63,00 €

► **Sample material**

virtual microscopy of 2 preparations

► **Analytes**

Identification of fungi

NoroPCR - Norovirus PCR

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

€ Fee for each survey, net prices plus VAT

165,00 €

► **Sample material**

NaCl-matrix, liquid, 4 samples

► **Analyte**

Norovirus RNA

ParasitB - Parasites in blood

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

€ Fee for each survey, net prices plus VAT

65,00 €

► **Sample material**

virtual microscopy, one or more visual fields of 2 preparations

► **Analytes**

Parasites in blood

ParasitS - Parasites in stool

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

€ Fee for each survey, net prices plus VAT

65,00 €

► **Sample material**

virtual microscopy, one or more visual fields of 2 preparations

► **Analytes**

Parasites in stool

PolyVir1 - Genome evidence group 1

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

€ Fee for each survey, net prices plus VAT

material one set	fee 165,00 €	additional set 82,00 €
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► **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: pb19-DNA qualitative

PolyVir2 - Genome evidence group 2

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

€ Fee for each survey, net prices plus VAT

material one set	fee 179,00 €	additional set 60,00 €
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► **Sample material**

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

► **Analytes**

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

ToxoGen - Toxoplasma gondii Genome

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

€ Fee for each survey, net prices plus VAT

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

► Sample material

Iyophilized DNA, 4 samples

► Analytes

Toxoplasma gondii Genome

TubDiag - Tuberculosis diagnostic

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

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

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

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

► Investigation target

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

► Sample material

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

► Information

For deliveries, additional freight charges will be invoiced.

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

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

UrinAg - Urine antigen evidence

Survey	Application deadline	Sample dispatch date	survey period from	to
UrinAg1/24	29.01.24	19.03.24	25.03.24	06.04.24
UrinAg2/24	12.08.24	01.10.24	07.10.24	19.10.24

€ Fee for each survey, net prices plus VAT

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

► Sample material

4 samples, 1 ml urine

► Analytes

Set 1: Legionella pneumophila antigen in urine

Set 2: Streptococcus pneumoniae antigen in urine

VREscre - VRE Screening

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

€ Fee for each survey, net prices plus VAT

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

► Sample material

4 samples, gel smear tubes

► Analytes

Cultural proof of VRE

Molecular diagnostic proof of Van A/Van B and others

Ejaculate investigation

EJ - Semen analysis

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

€ Fee for each survey, net prices plus VAT

150,00 €

► **Sample material**

Washed and fixed sperm preparation

► **Analyte**

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

► **Information**

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

Molecular- and cytogenetic investigations

ctDNA - circulating tumor DNA

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

€ Fee for each survey, net prices plus VAT

material one set	fee 150,00 €	additional set 150,00 €
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► Sample material

EDTA-plasma, 3 samples each 3 ml

► Analyte

set A: KRAS proto-oncogene, GTPase

- KRAS p.G12 (*KRAS*, NM_004985.5:c.34G>T>C>A, rs121913530)
- KRAS p.G12 (*KRAS*, NM_004985.5:c.35G>T>C>A, rs121913529)
- KRAS p.G13 (*KRAS*, NM_004985.5:c.37G>T>C>A, rs121913535)
- KRAS p.G13 (*KRAS*, NM_004985.5:c.38G>T>C>A, rs112445441)

set B: B-Raf proto-oncogene, serine/threonine kinase

- BRAF p.V600E (*BRAF*, NM_004333.6:c.1799T>A, rs113488022)

set C: Epidermal growth factor receptor

- EGFR p.T790M (*EGFR*, NM_005228.5:c.2369C>T, rs121434569)

set D: NRAS proto-oncogene, GTPase

- NRAS p.Q61 (*NRAS*, NM_002524.5:c.181C>T>G>A, rs121913254)
- NRAS p.Q61 (*NRAS*, NM_002524.5:c.182A>T>G>C, rs11554290)
- NRAS p.Q61 (*NRAS*, NM_002524.5:c.183A>T>C, rs121913255)

► Information

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

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

DI - DNA isolation

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

€ Fee for each survey, net prices plus VAT

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

► **Sample material**

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

► **Analyte**

DNA isolation

- FV-Leiden (*F5*, NM_000130.5:c.1601G>A, rs6025)
- FV-H1299R (*F5*, NM_000130.5:c.3980A>G, rs1800595)
- FV-Cambridge (*F5*, NM_000130.5:c.1001G>C, rs118203906)
- FV-Hong-Kong (*F5*, NM_000130.5:c.1000A>G, rs118203905)
- FII g20210a (*F2*, NM_000506.5:c.*97G>A, rs1799963)

DNA isolation

- Methylenetetrahydrofolate reductase (MTHFR)
- MTHFR C677T (*MTHFR*, NM_005957.5:c.665C>T, rs1801133)
- MTHFR A1298C (*MTHFR*, NM_005957.5:c.1286A>C, rs1801131)
- Hereditary Hemochromatosis (HFE)
- HFE H63D (*HFE*, NM_000410.4:c.187C>G, rs1799945)
- HFE S65C (*HFE*, NM_000410.4:c.193A>T, rs1800730)
- HFE C282Y (*HFE*, NM_000410.4:c.845G>A, rs1800562)

► **Information**

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

MG1 - Molecular genetics group 1

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

€ Fee for each survey, net prices plus VAT

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

► Sample material

DNA preparation, lyophilized, 2 samples each 800 ng

► Analytes

- set A:
 - FV-Leiden (*F5*, NM_000130.5:c.1601G>A, rs6025)
 - FII g20210a (*F2*, NM_000506.5:c.*97G>A, rs1799963)
 - Methylenetetrahydrofolate reductase (MTHFR)
 - MTHFR C677T (*MTHFR*, NM_005957.5:c.665C>T, rs1801133)
 - MTHFR A1298C (*MTHFR*, NM_005957.5:c.1286A>C, rs1801131)
 - PAI-I 4G5G (*SERpine1*, NM_000602.5:c.-820G[(4_5)], rs1799762)

- set B:
 - FXIII V34L (*F13A1*, NM_000129.4:c.103G>T, rs5985)
 - GPIIla (*TGB3*, NM_000212.3:c.176T>C, rs5918)
 - beta-Fibrinogen g-455a (*FGB*, NM_005141.4:c.-463G>A, rs1800790)
 - Vitamin K epoxide reductase complex subunit 1 (VKORC1)
 - VKORC1 G-1639 (*VKORC1*, NM_024006.6:c.-1639G>A, rs9923231)
 - VKORC1 C1173T (*VKORC1*, NM_024006.6:c.174-136C>T, rs9934438)
 - FXII c46t (*F12*, NM_000505.4:c.-4T>C rs1801020)
 - FV-H1299R (*F5*, NM_000130.5:c.3980A>G, rs1800595)

- set C:
 - Alpha-1-Antitrypsin, (serpin family A member1)
 - AAT-PI*S (*SERPINA1*, NM_000295.5:c.863A>T, rs17580)
 - AAT-PI*Z (*SERPINA1*, NM_000295.5:c.1096G>A, rs28929474)
 - AAT- (Alpha-1-Antitrypsin-Genotyping)
 - Apolipoprotein E (APOE)
 - ApoE2 (*APOE*, NM_000041.4:c.526C>T, rs7412)
 - ApoE4 (*APOE*, NM_000041.4:c.388T>C, rs429358)
 - ApoE (Apolipoprotein E – Genotyping)
 - ApoB100 (*APOB*, NM_000384.3:c.10580G>A, rs5742904)
 - ACE I/D (*ACE*, NM_000789.3:c.2306-117_2306-116insAF118569.1:g.14094_14382, rs1799752)
 - CETP B1/B2 (*CETP*, NM_000078.3:c.118+279G>A, rs708272)

- set D:
 - Aldolase, fructose-bisphosphate B (ALDOB)
 - AldoB 149 (*ALDOB*, NM_000035.4:c.448G>C, rs1800546)
 - AldoB 174 (*ALDOB*, NM_000035.4:c.524C>A, rs76917243)
 - AldoB 334 (*ALDOB*, NM_000035.4:c.1005C>G, rs78340951)
 - Hereditary Hemochromatosis (HFE)
 - HFE H63D (*HFE*, NM_000410.4:c.187C>G, rs1799945)
 - HFE S65C (*HFE*, NM_000410.4:c.193A>T, rs1800730)
 - HFE C282Y (*HFE*, NM_000410.4:c.845G>A, rs1800562)
 - LCT c-13910t (*LCT*, NM_005915.6:c.1917+326C>T, rs4988235)
 - Nucleotide binding oligomerization domain containing 2 (NOD2)
 - NOD R702W (*NOD2*, NM_001370466.1:c.2023C>T, rs2066844)
 - NOD G908R (*NOD2*, NM_001370466.1:c.2641G>C, rs2066845)
 - NOD L1007finsC (*NOD2*, NM_001370466.1:c.2938dup, rs2066847)

- set E:
 - ATP7B-C3207A (*ATP7B*, NM_000053.4:c.3207C>A, rs76151636)
 - FSAP Marburg-I (*HABP2*, NM_004132.5:c.1601G>A, rs7080536)
 - ITGA2 Gplalla C807T (*ITGA2*, NM_002203.4:c.759C>T, rs1126643)
 - Col1A1 SP1 (*Col1A1*, NM_000088.4:c.104-441G>T, rs1800012)
 - Vitamin D receptor (VDR)
 - VDR Bsml (*VDR*, NM_000376.3:c.1024+283G>A, rs1544410)
 - VDR Apal (*VDR*, NM_000376.3:c.1025-49G>T, rs7975232)
 - VDR Taql (*VDR*, NM_000376.3:c.1056T>C, rs731236)

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

► Information

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

MG2 - Molecular genetics group 2

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

€ Fee for each survey, net prices plus VAT

material one set.	fee 54,00 €	additional set 54,00 €
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For multiple orders of your chosen set collection you can also use the application form 7

► Sample material

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

► Analytes

- set A: Thiopurine S-methyltransferase (TPMT)
 - TPMT*2 (TPMT, NM_000367.5:c.238G>C, rs1800462)
 - TPMT*3B (TPMT, NM_000367.5:c.460G>A, rs1800460)
 - TPMT*3C (TPMT, NM_000367.5:c.719A>G, rs1142345)
 - Thiopurine S-methyltransferase (TPMT –Genotyping)
 - CYP2C8*3 (CYP2C8, NM_000770.3:c.1196A>G, rs10509681)
 Cytochrom P450 2C9 (CYP2C9)
 - CYP2C9*2 (CYP2C9, NM_000771.4:c.430C>T, rs1799853)
 - CYP2C9*3 (CYP2C9, NM_000771.4:c.1075A>C, rs1057910)
 - CYP2C9 (2C9 – Genotyping)
 - UGT1A1*28 (UGT1A1, NM_000463.3:c.-41_-40dupTA, rs3064744)
 Dihydropyrimidine dehydrogenase (DPYD)
 - DPYD*2A (DPYD, NM_000110.4:c.1905+1G>A, rs3918290)
 - DPYD*13 (DPYD, NM_000110.4:c.1679T>G, rs55886062)
 - DPYD p.D949V (DPYD, NM_000110.4:c.2846A>T, rs67376798)
 - DPYD c.1129-5923C>G (DPYD, NM_000110.4:c.1129-5923C>G, rs75017182)
 - DPYD c.1236G>A (DPYD, NM_000110.4:c.1236G>A, rs56038477)
 - DPYD HapB3 (DPYD, NM_000110.4:c.1129-5923C>G, rs75017182,
 NM_000110.4:c.1236G>A, rs56038477)
 - DPD activity score acc. to CPIC
 - DPD activity score acc. to DGHO
 - BCHE A (D70G) (BCHE, NM_000055.4:c.293A>G, rs1799807)
 - BCHE K (A567T) (BCHE, NM_000055.4:c.1699G>A, rs1803274)

- set B: KRAS proto-oncogene, GTPase (KRAS)
 - KRAS p.G12/p.G13 (KRAS, NP_004976.2:p.G12/G13)
 - KRAS p.G12 (KRAS, NM_004985.5:c.34G>T>C>A, rs121913530)
 - KRAS p.G12 (KRAS, NM_004985.5:c.35G>T>C>A, rs121913529)
 - KRAS p.G13 (KRAS, NM_004985.5:c.37G>T>C>A, rs121913535)
 - KRAS p.G13 (KRAS, NM_004985.5:c.38G>T>C>A, rs112445441)
 - KRAS p.G12 (KRAS, NP_004976.2:p.G12)
 - KRAS p.G12 (KRAS, NM_004985.5:c.34G>T>C>A, rs121913530)
 - KRAS p.G12 (KRAS, NM_004985.5:c.35G>T>C>A, rs121913529)
 - KRAS p.G13 (KRAS, NP_004976.2:p.G13)
 - KRAS p.G13 (KRAS, NM_004985.5:c.37G>T>C>A, rs121913535)
 - KRAS p.G13 (KRAS, NM_004985.5:c.38G>T>C>A, rs112445441)
 - KRAS p.Q61 (KRAS, NP_004976.2:p.Q61)
 - KRAS p.Q61 (KRAS, NM_004985.5:c.181C>G>A, rs121913238)
 - KRAS p.Q61 (KRAS, NM_004985.5:c.182A>T>G>C, rs121913240)
 - KRAS p.Q61 (KRAS, NM_004985.5:c.183A>T>C, rs17851045)
 BRAF p.V600 (BRAF, NP_004324.2:p.V600E/K, rs113488022, rs121913227)
 - NM_004333.6:c.1799T>A, rs113488022
 - NM_004333.6:c.1798_1799delinsAA, rs121913227

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

► Information 1

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

► Information 2

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

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

SQ - DNA Sequencing

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

€ Fee for each survey, net prices plus VAT

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

► **Sample material**

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

► **Analytes**

DNA sequencing

► **Information**

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

RfB office / survey directors / calibration laboratories

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Foundation for Pathobiochemistry and Molecular Diagnostics**

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Data protection declaration

No matter whether you are a participant in a ring trial, a prospective customer or 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 the 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 (Referenzzinstitut für Bioanalytik or RfB for short) is one of two ring trial organizations that is officially commissioned by the German Medical Association to conduct ring trials for external quality control.

Stiftung für Pathobiochemie und Molekulare Diagnostik (Foundation for Pathobiochemistry and Molecular Diagnostics),
Referenzzinstitut für Bioanalytik

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Foundation directory Karlsruhe, Ref. no.: 14-0563.1

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

How your data is processed

What personal data do we collect from you?

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

If you are a participant:

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

Where does this data come from?

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, pseudonymized 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?

Fulfillment 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 fulfillment of contractual relationships, such as ring trials ordered, as well as to bill for services received. To fulfill your requests and improve our offerings based on a balancing of interests (Art. 6 Para. 1f EU-GDPR): To ensure orderly operation and to optimize 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?

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 (pseudonymized 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 ring trial organizers

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

What other rights do you have?

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.

Right to file a complaint

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

Use of cookies

Cookies are small text files that are sent to your computer when our website is used. We use cookies for the exclusive purpose of enabling special user functions (so-called "session cookies"). For that reason, it may be the case that you will not be able to use our website as intended without cookies. However, we do not use cookies in order to create user profiles.

Most internet browsers are set to accept cookies automatically. However, you can deactivate the saving of cookies or set your browser to notify you as soon as cookies are sent. You can use your internet browser's help function to do so.

Further information

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



Application form for Thrombophilia screening 2024



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Thrombophilia screening 2024 please cross on the back

Dear participant,

If you are already registered as participant, please enter your participant number. This will be sufficient unless your address has changed.

participant no

new client

Delivery address

Name / Institute:

Street:

Postcode / City:

Country:

Telephone:

Telefax:

E-mail:

Order confirmation no.:

VAT no.:

Contact person:

Invoice address if different from delivery address

Name / Institute:

Your comment

Street:

Postcode / City:

VAT no.:

Telephone:

Telefax:

E-mail:

In accordance with the participation conditions for the survey "Thrombophilia screening" in cooperation with the Dutch organization ECAT, I hereby declare my participation in the ordered survey outlined in the current survey plan (see side back).

For information about our data policy, please refer to our data protection declaration on page 66.

Date

Signature

The participation fees are specified in the current annual survey plan.

**Application form for
Thrombophilia screening 2024**

participant no

new client

We cannot accept cancellations during the annual program.

Annual subscription fee

1	<input type="checkbox"/> result submission via Internet/report internet (ECAT Website)	147,00 €
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Analytes four times yearly: TH1/24, TH2/24, TH3/24, TH4/24

1	<input type="checkbox"/> Thrombophilia module I Includes an annual report on the long-time evaluation of test results Antithrombin (activity and antigen) Protein C (activity [chromogenic and clotting] and antigen) Protein S activity Protein S antigen (free and total)	412,50 €
2	<input type="checkbox"/> Thrombophilia module II (APC resistance)	167,00 €
3	<input type="checkbox"/> Lupus Anticoagulant/Antiphospholipid Antibodies	198,50 €
4	<input type="checkbox"/> Von Willebrand Factor module (antigen, ristocetin cofactor activity, activity, collagen binding, multimers, Factor VIII)	313,50 €
5	<input type="checkbox"/> ADAMTS-13 - I (activity and antigen)	219,50 €
6	<input type="checkbox"/> Factor XIII (activity and antigen)	156,25 €
7	<input type="checkbox"/> Fibrinolysis parameters I (Plasminogen, Antiplasmin)	151,50 €
8	<input type="checkbox"/> Fibrinolysis parameters II (t-PA, PAI-1)	151,50 €
9	<input type="checkbox"/> Unfractionated Heparin Monitoring (anti-Xa)	136,00 €
A	<input type="checkbox"/> Low-Molecular Weight Heparin Monitoring (anti-Xa)	136,00 €

Analytes two times yearly:

B	<input type="checkbox"/> Factor VIII Inhibitor (TH2/24 + TH4/24)	206,50 €
C	<input type="checkbox"/> Thrombin Generation Test (TH1/24 + TH3/24)	157,50 €
D	<input type="checkbox"/> ADAMTS-13 - II (antibodies) (TH2/24 + TH4/24)	143,75 €
E	<input type="checkbox"/> Factor IX Inhibitor (TH1/24 + TH3/24)	206,50 €
F	<input type="checkbox"/> HIT - I (Immunological testing) (TH1/24 + TH3/24)	235,00 €

Analytes one time yearly:

G	<input type="checkbox"/> ADAMTS-13 - III (functional inhibitor) (TH2/24)	104,50 €
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2024