Surveys 2018
Reference Institute for Bioanalytics
Akkredited to DIN EN ISO/IEC 17043

Quality assurance in medical laboratory

www.rfb.bio
Dear participants and all those interested,

As you know, the quality assurance of laboratory tests in Germany is bound by laws and regulations, which are set out in the Guideline of the German Medical Association, i.e. the RiliBÄK. The RiliBÄK (J Lab Med 2015; 39(1): 26–69) attracts worldwide attention on account of the fact, amongst other things, that it stipulates the reference method concept.

As a ring trial organisation appointed by the German Medical Association, the Reference Institute for Bioanalytics (RfB) is accordingly obliged to use reference values as target values for a number of analytes when assessing your results. Given that the old rooms of RfB’s Calibration Laboratory 1 would no longer have met the current requirements in the foreseeable future, it moved to the Biocampus site in Cologne in May 2017. Under optimum laboratory conditions, SI-traceable target values continue to be provided for ring trial control materials. At the same time, the RfB can now pursue its goal, i.e. facilitating the reference method concept with new developments, with greater intensity.

In additional to analytical methods, pre-analytical and post-analytical processes are coming more and more to the fore in relation to advancements in laboratory medicine. Within the framework of our constantly evolving website, we therefore wish to make special mention of the newly set-up haemolysis database, which now contains approx. 2.5 million records. Sound but anonymous comparisons can thus be made between clinic haemolysis rates, both on an individual basis and cross-clinic basis.

The current innovations for our 2018 range are listed on the following page. As before, this range will offer ring trials for all of the parameters required as per the RiliBÄK, and much more. We will keep you up-to-date on all further major changes that occur throughout the year on our website www.rfb.bio under the heading “News”.

We welcome any suggestions you may have in relation to the above. These can be e-mailed to info@dgkl-rfb.de.

We look forward to a continuing good relationship!

Best regards
On behalf of the RfB team

Dr. Wolf-Jochen Geilenkeuser
Dr. Anja Kessler
Advises and explanations concerning the processes for registration and ordering are described on page 56.

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

In 2018, we will offer the following new analytes.

**B1**
- AK set 3 Piperacillin .......................................................... page 7
- TM Chromogranin A .......................................................... page 22
- ZY Interleukin-1β ............................................................. page 24

**B2**
- KU Microalbumin ST ......................................................... page 16

**B5**
- ctDNA EGFR T790M (rs121434569) ........................................ page 46

New orders
When ordering new surveys with sets please notice the correct entering of the sets desired.

Fees
Please note that the prices given in this program are net prices.

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

- Topics
- List of contents
- Internet / homepage / e-mail
- Registration as online user
- How to order surveys
- Changes of orders
- Fees and invoice

## Quantitative determinations

| 7 | AD | Automated differential count |
| 7 | AK | Therapeutic drug monitoring |
| 8 | AM | Ammonia |
| 8 | BG | Blood gas |
| 8 | BI | Neonatal bilirubin |
| 9 | CM | Cardiac markers |
| 9 | CS | Immunosuppressives |
| 10 | DD | D-Dimer |
| 10 | DT | CD Transferrin |
| 10 | EG | Ethylglucuronide |
| 11 | ET | Ethanol |
| 11 | GH | Glycated hemoglobin |
| 11 | GL | Glucose ("wet" and "POCT/dry chemistry") (special offer for small laboratories) |
| 12 | GR | Coagulation |
| 12 | HA | Hematology - Full blood count |
| 13 | HM | Hormones - group 1 |
| 13 | HP | Hormones - group 2 |
| 14 | IG | Serum proteins |
| 14 | IS | Immunphenotyping |
| 14 | KL | Clinical chemical analytes in cerebrospinal fluid (CSF) |
| 15 | KS | Clinical chemical analytes in serum "wet chemistry" |
| 16 | KU | Clinical chemical analytes in urine |
| 16 | LP | Lipoproteins |
| 16 | NBS | Newborn screening |
| 17 | OH | Hemoglobin derivates |
| 17 | OS | Bone metabolism |
| 18 | PH | Photometer control |
| 18 | RE | Reticulocytes |
| 18 | RF | Rheumatoid factors |
| 19 | SA | Thyroid antibodies |
| 19 | SD | Pregnancy diagnostic |
| 20 | SP | Trace elements in urine |
| 20 | SV | Saliva diagnostic |
| 21 | TH | Thrombophilia screening (cooperation with the Dutch organization ECAT) |
| 22 | TM | Tumor markers |
| 22 | TR | Clinical chemical analytes in serum "dry chemistry" |
| 23 | VT | Vitamins and analgesics |
| 24 | ZL | Cell count in cerebrospinal fluid (CSF) |
| 24 | ZY | Cytokines |

## Qualitative determinations

<p>| 25 | Al | Antinuclear antibodies |
| 25 | AL | Allergology |
| 26 | BorBimm | Anti-Borrelia burgdorferi |
| 26 | CMVimm | CMV serology |
| 26 | DF | Hematology - Differential blood count |
| 27 | DS | Drug screening in urine |
| 27 | EBVimm | Epstein-Barr-Virus serology |
| 28 | HAVimm | HAV serology |
| 28 | HBVimm1 Minor | HBV serology |
| 28 | HBVimm2 Major | HBV serology |
| 29 | HCVimm | HCV serology |
| 29 | HerpVimm | Herpes viruses serology |
| 29 | HIVimm | HIV serology |
| 30 | HS | Urinary calculus |
| 30 | HTLVimm | Human T-lymphotropic virus |
| 30 | IA | Immunohematology automated |
| 31 | IH | Immunohematology Major (extended offer) |
| 31 | IM | Immunohematology Minor (basic program) |
| 31 | KUST | Clinical chemistry from urine, qualitative test strip and pregnancy test |
| 32 | MaMullm | Morbilli and mumps serology |</p>
<table>
<thead>
<tr>
<th>Page</th>
<th>List of contents</th>
</tr>
</thead>
<tbody>
<tr>
<td>32</td>
<td>OB Oligoclonal bands in cerebrospinal fluid (CSF)</td>
</tr>
<tr>
<td>33</td>
<td>pvB19imm pvB19 serology</td>
</tr>
<tr>
<td>33</td>
<td>RoetLimm Anti-Rubella Virus</td>
</tr>
<tr>
<td>33</td>
<td>SX Systematic toxicologic analysis</td>
</tr>
<tr>
<td>34</td>
<td>ToxoGimm Anti-Toxoplasma gondii</td>
</tr>
<tr>
<td>34</td>
<td>TrepPimm Anti-Treponema pallidum</td>
</tr>
<tr>
<td>34</td>
<td>TX Toxicologic analyses</td>
</tr>
<tr>
<td>35</td>
<td>US Urine sediment</td>
</tr>
<tr>
<td>35</td>
<td>VariAimm Various immunological analytes</td>
</tr>
<tr>
<td>35</td>
<td>ZZ Cerebrospinal fluid cytology</td>
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**Direct detections of pathogens**

<table>
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<tr>
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<tbody>
<tr>
<td>36</td>
<td>BA Bacteriology Major</td>
</tr>
<tr>
<td>36</td>
<td>BakNAT1 Genome evidence</td>
</tr>
<tr>
<td>37</td>
<td>BakNAT2 Genome evidence</td>
</tr>
<tr>
<td>37</td>
<td>BAK-TK Proficiency panel to detect bacteria in platelet concentrates</td>
</tr>
<tr>
<td>38</td>
<td>BM Bacteriology Minor</td>
</tr>
<tr>
<td>38</td>
<td>B-Stscre B-Streptococci screening</td>
</tr>
<tr>
<td>38</td>
<td>ChlamTra Chlamydia trachomatis AG</td>
</tr>
<tr>
<td>39</td>
<td>CrypCand Cryptococcus neoformans and candida albicans antigen</td>
</tr>
<tr>
<td>39</td>
<td>GP Gram-staining</td>
</tr>
<tr>
<td>39</td>
<td>HEVPCR Hepatitis E virus</td>
</tr>
<tr>
<td>40</td>
<td>Infl-RSV Influenza and RSV antigen evidence</td>
</tr>
<tr>
<td>40</td>
<td>MRGNscre MRGN screening</td>
</tr>
<tr>
<td>40</td>
<td>MRSA scre MRSA screening</td>
</tr>
<tr>
<td>41</td>
<td>MykCult Cultivation and identification of fungi</td>
</tr>
<tr>
<td>41</td>
<td>MykIdent Identification of fungi</td>
</tr>
<tr>
<td>41</td>
<td>NoroPCR Norovirus PCR</td>
</tr>
<tr>
<td>42</td>
<td>ParasitB Parasites in blood</td>
</tr>
<tr>
<td>42</td>
<td>ParasitS Parasites in stool</td>
</tr>
<tr>
<td>42</td>
<td>PolyVir1 Genome evidence group 1</td>
</tr>
<tr>
<td>43</td>
<td>PolyVir2 Genome evidence group 2</td>
</tr>
<tr>
<td>43</td>
<td>ToxoGen Toxoplasma gondii genome</td>
</tr>
<tr>
<td>44</td>
<td>TubDiag Tuberculosis diagnostics</td>
</tr>
<tr>
<td>44</td>
<td>VREscre VRE screening</td>
</tr>
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</table>

**Ejaculate investigation**

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<th>List of contents</th>
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<tr>
<td>45</td>
<td>EJ Semen (cooperation with the German society of andrology and their quality control organization QuaDeGa)</td>
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</table>

**Molecular- and cytogenetic investigation**

<table>
<thead>
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<tr>
<td>46</td>
<td>ctDNA circulating tumor DNA</td>
</tr>
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<td>46</td>
<td>DI DNA isolation</td>
</tr>
<tr>
<td>47</td>
<td>MG1 Molecular genetics group 1</td>
</tr>
<tr>
<td>48</td>
<td>MG2 Molecular genetics group 2</td>
</tr>
<tr>
<td>49</td>
<td>SQ DNA sequencing</td>
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</table>

**Addendum**

<table>
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<td>50</td>
<td>RfB office</td>
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<tr>
<td>50</td>
<td>Survey directors</td>
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<tr>
<td>50</td>
<td>Reference laboratories</td>
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<td>Scientific advisors</td>
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<tr>
<td>51</td>
<td>Conditions of participation</td>
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**Forms**

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<tr>
<td>57</td>
<td>Alteration of contact information (address, e-mail, fax, tel. etc.)</td>
</tr>
<tr>
<td>59</td>
<td>Thrombophilia screening (TH) application form</td>
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<td>62</td>
<td>Application form 1</td>
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<td>64</td>
<td>Application form 2</td>
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<td>66</td>
<td>Application form 3</td>
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<td>68</td>
<td>Application form 4</td>
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<td>70</td>
<td>Application form 5</td>
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<td>72</td>
<td>Application form 6</td>
</tr>
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</table>
Our websites handy address is

www.rfb.bio

Open to all interested people, you can find there:

➤ Informations about our current survey program,

➤ Evaluations of our surveys (target values, statistics, youdenplots, comments on the evaluation etc.),

➤ Informations around the surveys and the Reference Institute and,

➤ Our hemolysis database

Registered online users have (after login) more possibilities to handle the whole 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 or use the form on the next page.

➤ For any questions or comments please contact us via e-mail: info@dgkl-rfb.de
Dear participant,

The registration as online user can only take place, if you are applied for surveys.

Address

Institute:

Name:

Street:

City:

Country:

Telephone:

Fax:

Contact person:

Registration as online user

E-mail-address:

Your comment

Date

Signature
### AD  Automatic differential count

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>survey period from</th>
<th>to</th>
</tr>
</thead>
<tbody>
<tr>
<td>AD1/18</td>
<td>08.01.18</td>
<td>31.01.18</td>
<td>01.02.18</td>
<td>07.02.18</td>
</tr>
<tr>
<td>AD2/18</td>
<td>19.03.18</td>
<td>18.04.18</td>
<td>19.04.18</td>
<td>25.04.18</td>
</tr>
<tr>
<td>AD3/18</td>
<td>25.06.18</td>
<td>18.07.18</td>
<td>19.07.18</td>
<td>25.07.18</td>
</tr>
<tr>
<td>AD4/18</td>
<td>17.09.18</td>
<td>10.10.18</td>
<td>11.10.18</td>
<td>17.10.18</td>
</tr>
</tbody>
</table>

#### Fee for each survey inclusive sample material, net prices plus VAT, plus special freight

- 30.00 €
- 25.00 €

#### Sample material
- blood, liquid, 2 samples each 1 ml

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

#### Information
- The samples have only a very limited stability and are sent to you therefore with an express or parcel courier.
- The costs will be charged additionally.
- The registration form for this survey you will find on page 61/62.

### AK  Therapeutic drug monitoring

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>survey period from</th>
<th>to</th>
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<tbody>
<tr>
<td>AK1/18</td>
<td>18.12.17</td>
<td>10.01.18</td>
<td>15.01.18</td>
<td>27.01.18</td>
</tr>
<tr>
<td>AK2/18</td>
<td>03.04.18</td>
<td>18.04.18</td>
<td>23.04.18</td>
<td>05.05.18</td>
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<td>AK3/18</td>
<td>18.06.18</td>
<td>04.07.18</td>
<td>09.07.18</td>
<td>21.07.18</td>
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<tr>
<td>AK4/18</td>
<td>10.09.18</td>
<td>26.09.18</td>
<td>01.10.18</td>
<td>13.10.18</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>material</th>
<th>fee</th>
<th>additional set</th>
</tr>
</thead>
<tbody>
<tr>
<td>set 1</td>
<td>54,00 €</td>
<td>34,00 €</td>
</tr>
<tr>
<td>set 2</td>
<td>45,50 €</td>
<td>34,00 €</td>
</tr>
<tr>
<td>set 3</td>
<td>32,00 €</td>
<td>20,00 €</td>
</tr>
<tr>
<td>set 1 and set 2</td>
<td>80,00 €</td>
<td>68,00 €</td>
</tr>
<tr>
<td>in addition set 3</td>
<td>5,00 €</td>
<td>5,00 €</td>
</tr>
</tbody>
</table>

#### Sample material
- serum, lyophilized
- set 1: 2 samples each 3 ml
- set 2: 2 samples each 3 ml
- set 3: 2 samples each 2 ml

#### Analytes
- set 1: carbamazepine, digoxin, ethosuximide, lithium, phenobarbital
- set 2: phenytoin, primidone, theophylline, valproic acid, amikacin, caffeine, digoxin, gentamycin, methotrexate, tobramycin, vancomycin
- set 3: piperacillin

#### Information
- The registration form for this survey you will find on page 61/62.
### AM  Ammonia

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>Survey period from</th>
<th>to</th>
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<tbody>
<tr>
<td>AM1/18</td>
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<td>10.01.18</td>
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<td>19.03.18</td>
<td>04.04.18</td>
<td>09.04.18</td>
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<td>01.10.18</td>
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Fee for each survey inclusive sample material, net prices plus VAT

<table>
<thead>
<tr>
<th></th>
<th>€</th>
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<tbody>
<tr>
<td>each additional pair of samples</td>
<td>32,00 €</td>
</tr>
<tr>
<td>15,00 €</td>
<td></td>
</tr>
</tbody>
</table>

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

Analyte
ammonia

Information
The registration form for this survey you will find on page 61/62.

### BG  Blood gas

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
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<th>to</th>
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<tbody>
<tr>
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<td>22.01.18</td>
<td>03.02.18</td>
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<td>BG2/18</td>
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<td>11.04.18</td>
<td>16.04.18</td>
<td>28.04.18</td>
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<td>BG3/18</td>
<td>09.07.18</td>
<td>25.07.18</td>
<td>30.07.18</td>
<td>11.08.18</td>
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<td>BG4/18</td>
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<td>03.11.18</td>
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Fee for each survey inclusive sample material, net prices plus VAT

<table>
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<tr>
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<tbody>
<tr>
<td>each additional pair of samples</td>
<td>42,00 €</td>
</tr>
<tr>
<td>22,00 €</td>
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</tbody>
</table>

Sample material
gas equilibrated solution, liquid, 2 ampoules each 2 ml

Analytes

- pH
- pCO₂
- pO₂
- chloride
- glucose
- calcium, ionized
- potassium
- lactate
- sodium

Information
The registration form for this survey you will find on page 61/62.

### BI  Neonatal bilirubin

<table>
<thead>
<tr>
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<th>Survey period from</th>
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Fee for each survey inclusive sample material, net prices plus VAT

<table>
<thead>
<tr>
<th></th>
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<tbody>
<tr>
<td>each additional pair of samples</td>
<td>41,00 €</td>
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<tr>
<td>26,00 €</td>
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</table>

Sample material
serum, lyophilized, 2 samples each 2 ml
Analytes
bilirubin, total
bilirubin, conjugated
bilirubin, direct
bilirubin, unconjugated
bilirubin, indirect

Information
These specimens contain concentrations of bilirubin which are characteristic in neonatology.
The registration form for this survey you will find on page 61/62.

CM Cardiac markers

<table>
<thead>
<tr>
<th>Survey</th>
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<td>25.04.18</td>
<td>30.04.18</td>
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<td>CM4/18</td>
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<td>26.09.18</td>
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<td>13.10.18</td>
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Fee for each survey inclusive sample material, net prices plus VAT

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<td>set 1 and set 2</td>
<td>75,00 €</td>
<td>56,00 €</td>
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Sample material
serum, lyophilized
set 1: 2 samples each 2 ml
set 2: 2 samples each 1 ml
If you order only set 2 you will receive only samples for the determination of BNP.

Analytes
set 1
<table>
<thead>
<tr>
<th>CK-MB mass + activity</th>
<th>myoglobin</th>
</tr>
</thead>
<tbody>
<tr>
<td>NT-proBNP</td>
<td>cardiac troponin</td>
</tr>
<tr>
<td>cardiac troponin T</td>
<td>test strips</td>
</tr>
</tbody>
</table>

set 2
| BNP |

Information
The registration form for this survey you will find on page 61/62.

CS Immunosuppressives

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>survey period from</th>
<th>to</th>
</tr>
</thead>
<tbody>
<tr>
<td>CS1/18</td>
<td>22.01.18</td>
<td>13.02.18</td>
<td>14.02.18</td>
<td>24.02.18</td>
</tr>
<tr>
<td>CS2/18</td>
<td>06.08.18</td>
<td>28.08.18</td>
<td>29.08.18</td>
<td>08.09.18</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>material</th>
<th>fee</th>
<th>additional set</th>
</tr>
</thead>
<tbody>
<tr>
<td>set 1</td>
<td>39,00 €</td>
<td>27,00 €</td>
</tr>
<tr>
<td>set 2</td>
<td>34,00 €</td>
<td>14,00 €</td>
</tr>
<tr>
<td>set 1 and set 2</td>
<td>53,00 €</td>
<td>41,00 €</td>
</tr>
</tbody>
</table>

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
| cyclosporine |
| sirolimus |
| tacrolimus |

set 2
| everolimus |

Information
The registration form for this survey you will find on page 61/62.
**DD  D-Dimer**

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>survey period from</th>
<th>to</th>
</tr>
</thead>
<tbody>
<tr>
<td>DD1/18</td>
<td>15.01.18</td>
<td>31.01.18</td>
<td>05.02.18</td>
<td>17.02.18</td>
</tr>
<tr>
<td>DD2/18</td>
<td>16.04.18</td>
<td>02.05.18</td>
<td>07.05.18</td>
<td>19.05.18</td>
</tr>
<tr>
<td>DD3/18</td>
<td>02.07.18</td>
<td>18.07.18</td>
<td>23.07.18</td>
<td>04.08.18</td>
</tr>
<tr>
<td>DD4/18</td>
<td>01.10.18</td>
<td>17.10.18</td>
<td>22.10.18</td>
<td>03.11.18</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th></th>
<th>39,00 €</th>
</tr>
</thead>
<tbody>
<tr>
<td>each additional pair of samples</td>
<td>20,00 €</td>
</tr>
</tbody>
</table>

Sample material
plasma, lyophilized, 2 samples each 1 ml

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

Information
The registration form for this survey you will find on page 61/62.

**DT  CD Transferrin**

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>survey period from</th>
<th>to</th>
</tr>
</thead>
<tbody>
<tr>
<td>DT1/18</td>
<td>19.02.18</td>
<td>07.03.18</td>
<td>12.03.18</td>
<td>31.03.18</td>
</tr>
<tr>
<td>DT2/18</td>
<td>30.07.18</td>
<td>15.08.18</td>
<td>20.08.18</td>
<td>08.09.18</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th></th>
<th>48,00 €</th>
</tr>
</thead>
<tbody>
<tr>
<td>each additional pair of samples</td>
<td>33,00 €</td>
</tr>
</tbody>
</table>

Sample material
serum, lyophilized, 2 samples each 0,5 ml

Analyte
CDT (Carbohydrate Deficient Transferrin)

Information
CDT represents a so-called alcoholic marker which is employed in the determination of alcohol abuse.
The registration form for this survey you will find on page 61/62.

**EG  Ethylglucuronide**

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>survey period from</th>
<th>to</th>
</tr>
</thead>
<tbody>
<tr>
<td>EG1/18</td>
<td>22.01.18</td>
<td>11.04.18</td>
<td>16.04.18</td>
<td>28.04.18</td>
</tr>
<tr>
<td>EG2/18</td>
<td>28.05.18</td>
<td>19.09.18</td>
<td>24.09.18</td>
<td>06.10.18</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th></th>
<th>32,00 €</th>
</tr>
</thead>
<tbody>
<tr>
<td>each additional pair of samples</td>
<td>22,00 €</td>
</tr>
</tbody>
</table>

Sample material
urine, lyophilized, 2 samples each 1 ml

Analyte
Ethylglucuronide

Information
The registration form for this survey you will find on page 61/62.
### ET Ethanol

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>survey period from</th>
<th>to</th>
</tr>
</thead>
<tbody>
<tr>
<td>ET1/18</td>
<td>08.01.18</td>
<td>24.01.18</td>
<td>29.01.18</td>
<td>10.02.18</td>
</tr>
<tr>
<td>ET2/18</td>
<td>03.04.18</td>
<td>18.04.18</td>
<td>23.04.18</td>
<td>05.05.18</td>
</tr>
<tr>
<td>ET3/18</td>
<td>09.07.18</td>
<td>25.07.18</td>
<td>30.07.18</td>
<td>11.08.18</td>
</tr>
<tr>
<td>ET4/18</td>
<td>01.10.18</td>
<td>17.10.18</td>
<td>22.10.18</td>
<td>03.11.18</td>
</tr>
</tbody>
</table>

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

- €40,00 each additional pair of samples

Sample material
- serum, liquid, 2 samples each 2 ml

Analyte
- ethanol

Information
- The registration form for this survey you will find on page 61/62.

### GH Glycated hemoglobin

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>survey period from</th>
<th>to</th>
</tr>
</thead>
<tbody>
<tr>
<td>GH1/18</td>
<td>08.01.18</td>
<td>17.01.18</td>
<td>17.01.18</td>
<td>20.01.18</td>
</tr>
<tr>
<td>GH2/18</td>
<td>09.04.18</td>
<td>24.04.18</td>
<td>25.04.18</td>
<td>02.05.18</td>
</tr>
<tr>
<td>GH3/18</td>
<td>25.06.18</td>
<td>10.07.18</td>
<td>11.07.18</td>
<td>18.07.18</td>
</tr>
<tr>
<td>GH4/18</td>
<td>01.10.18</td>
<td>16.10.18</td>
<td>17.10.18</td>
<td>24.10.18</td>
</tr>
</tbody>
</table>

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

- €50,00 each additional pair of samples

Sample material
- lyophilized full blood or hemolysate, 2 samples each 0,5 ml

Analytes
- Hb A1
- Hb A1c

Information
- The registration form for this survey you will find on page 61/62.

### GL Glucose (wet and POCT/dry chemistry)

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>survey period from</th>
<th>to</th>
</tr>
</thead>
<tbody>
<tr>
<td>GL1/18</td>
<td>27.11.17</td>
<td>13.12.17</td>
<td>02.01.18</td>
<td>13.01.18</td>
</tr>
<tr>
<td>GL2/18</td>
<td>05.03.18</td>
<td>21.03.18</td>
<td>26.03.18</td>
<td>07.04.18</td>
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<tr>
<td>GL3/18</td>
<td>04.06.18</td>
<td>20.06.18</td>
<td>25.06.18</td>
<td>07.07.18</td>
</tr>
<tr>
<td>GL4/18</td>
<td>03.09.18</td>
<td>19.09.18</td>
<td>24.09.18</td>
<td>06.10.18</td>
</tr>
</tbody>
</table>

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

- €32,00 each additional pair of samples

Sample material
- serum, lyophilized, 2 samples each 2 ml
  - If special blood specimens are available we will use them instead of serum.

Analyte
- glucose
The survey „Glucose” is offered to laboratories which determine glucose only. If further clinical chemistry analytes are to be determined, participation in a „Clinical chemical analytes in serum” survey is suggested (KS or TR). This survey is especially recommended for laboratories and practices using glucose measuring instruments, which operate on the basis of pre-portioned reagents (Unit-use) (e.g. Accucheck, Accutrend, Ascensia Elite, HemoCue etc.). The registration form for this survey you will find on page 61/62.

### GR Coagulation

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>survey period from</th>
<th>to</th>
</tr>
</thead>
<tbody>
<tr>
<td>GR1/18</td>
<td>15.01.18</td>
<td>31.01.18</td>
<td>05.02.18</td>
<td>17.02.18</td>
</tr>
<tr>
<td>GR2/18</td>
<td>16.04.18</td>
<td>02.05.18</td>
<td>07.05.18</td>
<td>19.05.18</td>
</tr>
<tr>
<td>GR3/18</td>
<td>02.07.18</td>
<td>18.07.18</td>
<td>23.07.18</td>
<td>04.08.18</td>
</tr>
<tr>
<td>GR4/18</td>
<td>01.10.18</td>
<td>17.10.18</td>
<td>22.10.18</td>
<td>03.11.18</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>evaluation pair analytical results</th>
<th>1-5</th>
<th>6-10</th>
<th>each additional 5 pairs of analytical results</th>
<th>7,50 €</th>
<th>each additional pair of samples</th>
<th>34,00 €</th>
</tr>
</thead>
<tbody>
<tr>
<td>factor X</td>
<td>54,00 €</td>
<td>61,50 €</td>
<td>factor VII, factor XII</td>
<td>factor XIII</td>
<td>factor IX</td>
<td></td>
</tr>
<tr>
<td>factor XI</td>
<td>factor II</td>
<td>factor V</td>
<td>factor VIII</td>
<td>factor IX</td>
<td></td>
<td></td>
</tr>
<tr>
<td>factor II</td>
<td>factor V</td>
<td>factor XII</td>
<td>factor VIII</td>
<td>factor IX</td>
<td></td>
<td></td>
</tr>
<tr>
<td>factor X</td>
<td>factor X</td>
<td>factor XII</td>
<td>factor VIII</td>
<td>factor IX</td>
<td></td>
<td></td>
</tr>
<tr>
<td>factor XI</td>
<td>factor XI</td>
<td>factor XII</td>
<td>factor VIII</td>
<td>factor IX</td>
<td></td>
<td></td>
</tr>
<tr>
<td>factor XII</td>
<td>factor XII</td>
<td>factor XIII</td>
<td>factor VIII</td>
<td>factor IX</td>
<td></td>
<td></td>
</tr>
<tr>
<td>factor XIII</td>
<td>factor XIII</td>
<td>factor XIII</td>
<td>factor VIII</td>
<td>factor IX</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Sample material

plasma, lyophilized, 2 samples each 1 ml

### HA Hematology - Full blood count

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>survey period from</th>
<th>to</th>
</tr>
</thead>
<tbody>
<tr>
<td>HA1/18</td>
<td>08.01.18</td>
<td>30.01.18</td>
<td>31.01.18</td>
<td>07.02.18</td>
</tr>
<tr>
<td>HA2/18</td>
<td>09.04.18</td>
<td>07.05.18</td>
<td>08.05.18</td>
<td>16.05.18</td>
</tr>
<tr>
<td>HA3/18</td>
<td>25.06.18</td>
<td>17.07.18</td>
<td>18.07.18</td>
<td>25.07.18</td>
</tr>
<tr>
<td>HA4/18</td>
<td>17.09.18</td>
<td>09.10.18</td>
<td>10.10.18</td>
<td>17.10.18</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>each additional pair of samples</th>
<th>46,00 €</th>
</tr>
</thead>
<tbody>
<tr>
<td>each additional pair of samples</td>
<td>33,00 €</td>
</tr>
</tbody>
</table>

### Sample material

prepared blood, liquid, 2 samples each 2 ml

### Analytes

- erythrocyte count
- hematocrit (packed cell volume)
- hemoglobin

### 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.

The registration form for this survey you will find on page 61/62.
### HM  Hormones - Group 1

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>survey period from</th>
<th>to</th>
</tr>
</thead>
<tbody>
<tr>
<td>HM1/18</td>
<td>11.12.17</td>
<td>03.01.18</td>
<td>08.01.18</td>
<td>27.01.18</td>
</tr>
<tr>
<td>HM2/18</td>
<td>19.03.18</td>
<td>04.04.18</td>
<td>09.04.18</td>
<td>28.04.18</td>
</tr>
<tr>
<td>HM3/18</td>
<td>11.06.18</td>
<td>27.06.18</td>
<td>02.07.18</td>
<td>21.07.18</td>
</tr>
<tr>
<td>HM4/18</td>
<td>27.08.18</td>
<td>12.09.18</td>
<td>17.09.18</td>
<td>06.10.18</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>evaluation pair analytical results</th>
<th>1-4</th>
<th>5-8</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>47,50 €</td>
<td>51,50 €</td>
</tr>
</tbody>
</table>

| each additional 4 pairs analytical results | 4,00 € |
| each additional pair of samples | 32,00 € |

**Sample material**

serum, lyophilized, 2 samples each 3 ml

**Analytes**

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

**Information**

Steroid hormones, thyroid hormones

Free estriol can be determined only in the survey for pregnancy diagnostic (SD). The registration form for this survey you will find on page 63/64.

### HP  Hormones - Group 2

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>survey period from</th>
<th>to</th>
</tr>
</thead>
<tbody>
<tr>
<td>HP1/18</td>
<td>11.12.17</td>
<td>03.01.18</td>
<td>08.01.18</td>
<td>27.01.18</td>
</tr>
<tr>
<td>HP2/18</td>
<td>19.03.18</td>
<td>04.04.18</td>
<td>09.04.18</td>
<td>28.04.18</td>
</tr>
<tr>
<td>HP3/18</td>
<td>11.06.18</td>
<td>27.06.18</td>
<td>02.07.18</td>
<td>21.07.18</td>
</tr>
<tr>
<td>HP4/18</td>
<td>27.08.18</td>
<td>12.09.18</td>
<td>17.09.18</td>
<td>06.10.18</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>evaluation pair analytical results</th>
<th>1-2</th>
<th>3-6</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>33,50 €</td>
<td>37,50 €</td>
</tr>
</tbody>
</table>

| each additional 4 pairs of analytical results | 4,00 € |
| each additional pair of samples | 22,50 € |

**Sample material**

serum, lyophilized, 2 samples each 3 ml

**Analytes**

- ferritin
- folic acid
- FSH
- hGH (somatotropin/growth hormone)
- IGF-1
- IGFBP-3
- insulin
- LH
- parathyroid hormone
- prolactin
- renin / renin-activity
- SHBG
- vitamin B<sub>12</sub>

**Information**

The registration form for this survey you will find on page 63/64.
### IG Serum proteins

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>survey period from</th>
<th>to</th>
</tr>
</thead>
<tbody>
<tr>
<td>IG1/18</td>
<td>18.12.17</td>
<td>09.01.18</td>
<td>15.01.18</td>
<td>27.01.18</td>
</tr>
<tr>
<td>IG2/18</td>
<td>03.04.18</td>
<td>17.04.18</td>
<td>23.04.18</td>
<td>05.05.18</td>
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<tr>
<td>IG3/18</td>
<td>18.06.18</td>
<td>03.07.18</td>
<td>09.07.18</td>
<td>21.07.18</td>
</tr>
<tr>
<td>IG4/18</td>
<td>10.09.18</td>
<td>25.09.18</td>
<td>01.10.18</td>
<td>13.10.18</td>
</tr>
</tbody>
</table>

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

- evaluation pair analytical results
  - 1-2 pairs: 43.00 €
  - 3-6 pairs: 47.00 €

- each additional 4 pairs analytical results: 4.00 €
- each additional pair of samples: 32.00 €

### Sample material

- serum, liquid, 2 samples each 1 ml

### Analytes

<table>
<thead>
<tr>
<th>Analyte</th>
<th>CRP</th>
<th>haptoglobin</th>
<th>IgM</th>
</tr>
</thead>
<tbody>
<tr>
<td>albumin</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>α1-antitrypsin</td>
<td>cystatin C</td>
<td>IgA</td>
<td>prealbumin</td>
</tr>
<tr>
<td>α1-glycoprotein</td>
<td>C3 complement</td>
<td>IgE</td>
<td>transferrin</td>
</tr>
<tr>
<td>coeruloplasmin</td>
<td>C4 complement</td>
<td>IgG</td>
<td>sol. transferrin receptor</td>
</tr>
<tr>
<td>haptoglobin</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Information

The registration form for this survey you will find on page 63/64.

### IS Immunophenotyping (flow cytometry)

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>survey period from</th>
<th>to</th>
</tr>
</thead>
<tbody>
<tr>
<td>IS1/18</td>
<td>29.01.18</td>
<td>19.02.18</td>
<td>20.02.18</td>
<td>22.02.18</td>
</tr>
<tr>
<td>IS2/18</td>
<td>20.08.18</td>
<td>10.09.18</td>
<td>11.09.18</td>
<td>13.09.18</td>
</tr>
</tbody>
</table>

**Fee for each survey inclusive sample material, net prices plus VAT, plus special freight**

- each additional pair of samples: 40.00 €
- additional 25.50 €

### Sample material

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

### Analytes

<table>
<thead>
<tr>
<th>Analyte</th>
<th>CRP</th>
<th>haptoglobin</th>
<th>IgM</th>
</tr>
</thead>
<tbody>
<tr>
<td>B-cells</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>leukocyte count</td>
<td>NK-cells</td>
<td>T-suppressor cells</td>
<td></td>
</tr>
<tr>
<td>lymphocyte count</td>
<td>T-cells</td>
<td>HLA-B27</td>
<td></td>
</tr>
<tr>
<td>NK-cells</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>T-cell</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>T-helper cells</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Information

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

The registration form for this survey you will find on page 63/64.

### KL Clinical chemical analytes in cerebrospinal fluid (CSF)

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>survey period from</th>
<th>to</th>
</tr>
</thead>
<tbody>
<tr>
<td>KL1/18</td>
<td>02.01.18</td>
<td>17.01.18</td>
<td>22.01.18</td>
<td>03.02.18</td>
</tr>
<tr>
<td>KL2/18</td>
<td>02.01.18</td>
<td>17.01.18</td>
<td>22.01.18</td>
<td>03.02.18</td>
</tr>
<tr>
<td>KL3/18</td>
<td>04.06.18</td>
<td>20.06.18</td>
<td>25.06.18</td>
<td>07.07.18</td>
</tr>
<tr>
<td>KL4/18</td>
<td>03.09.18</td>
<td>19.09.18</td>
<td>24.09.18</td>
<td>06.10.18</td>
</tr>
</tbody>
</table>
Fee for each survey inclusive sample material, net prices plus VAT

<table>
<thead>
<tr>
<th>Sample material</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSF, lyophilized</td>
</tr>
<tr>
<td>serum, lyophilized</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Analytes</th>
</tr>
</thead>
<tbody>
<tr>
<td>albumin</td>
</tr>
<tr>
<td>total protein</td>
</tr>
</tbody>
</table>

Information

The additional serum samples serve to calculate the corresponding quotients.
The registration form for this survey you will find on page 63/64.

KS Clinical chemical analytes in serum „wet chemistry“

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>survey period from to</th>
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</thead>
<tbody>
<tr>
<td>KS1/18</td>
<td>04.12.17</td>
<td>03.01.18</td>
<td>08.01.18</td>
</tr>
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<td>KS2/18</td>
<td>22.01.18</td>
<td>07.02.18</td>
<td>12.02.18</td>
</tr>
<tr>
<td>KS3/18</td>
<td>12.03.18</td>
<td>28.03.18</td>
<td>03.04.18</td>
</tr>
<tr>
<td>KS4/18</td>
<td>23.04.18</td>
<td>08.05.18</td>
<td>14.05.18</td>
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<td>KS5/18</td>
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<td>27.06.18</td>
<td>02.07.18</td>
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<td>KS6/18</td>
<td>16.07.18</td>
<td>01.08.18</td>
<td>06.08.18</td>
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<td>KS7/18</td>
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<td>26.09.18</td>
<td>01.10.18</td>
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<tr>
<td>KS8/18</td>
<td>15.10.18</td>
<td>30.10.18</td>
<td>05.11.18</td>
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</table>

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

<table>
<thead>
<tr>
<th>evaluation pair analytical results</th>
<th>1-8</th>
<th>44,00 €</th>
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<tbody>
<tr>
<td>9-12</td>
<td>47,00 €</td>
<td></td>
</tr>
<tr>
<td>each additional 4 pairs analytical results</td>
<td>3,00 €</td>
<td></td>
</tr>
<tr>
<td>each additional pair of samples</td>
<td>23,00 €</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sample material</th>
</tr>
</thead>
<tbody>
<tr>
<td>serum, lyophilized, 2 samples each 5 ml</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Analytes</th>
</tr>
</thead>
<tbody>
<tr>
<td>α-amyrase</td>
</tr>
<tr>
<td>α-HBDH, lactate dehydrogenase-1-isoenzyme</td>
</tr>
<tr>
<td>albumin (chem.)</td>
</tr>
<tr>
<td>albumin (elektrophoresis)</td>
</tr>
<tr>
<td>alkaline phosphatase</td>
</tr>
<tr>
<td>ALT, alanine aminotransferase (GPT)</td>
</tr>
<tr>
<td>AST, aspartate aminotransferase (GOT)</td>
</tr>
<tr>
<td>bilirubin, direct</td>
</tr>
<tr>
<td>bilirubin, total</td>
</tr>
<tr>
<td>calcium</td>
</tr>
<tr>
<td>calcium, ionized</td>
</tr>
<tr>
<td>cholesterol</td>
</tr>
<tr>
<td>cholinesterase</td>
</tr>
<tr>
<td>copper</td>
</tr>
<tr>
<td>lithium</td>
</tr>
<tr>
<td>magnesium</td>
</tr>
<tr>
<td>osmolality</td>
</tr>
<tr>
<td>pancreatic amylase</td>
</tr>
<tr>
<td>phosphorus, inorganic</td>
</tr>
<tr>
<td>acid phosphatase, total</td>
</tr>
<tr>
<td>acid phosphatase, total</td>
</tr>
<tr>
<td>prostate (only enzyme activity)</td>
</tr>
</tbody>
</table>

Information

The registration form for this survey you will find on page 63/64.
### KU  Clinical chemical analytes in urine

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>survey period from</th>
<th>to</th>
</tr>
</thead>
<tbody>
<tr>
<td>KU1/18</td>
<td>02.01.18</td>
<td>17.01.18</td>
<td>22.01.18</td>
<td>03.02.18</td>
</tr>
<tr>
<td>KU2/18</td>
<td>12.03.18</td>
<td>27.03.18</td>
<td>03.04.18</td>
<td>14.04.18</td>
</tr>
<tr>
<td>KU3/18</td>
<td>04.06.18</td>
<td>20.06.18</td>
<td>25.06.18</td>
<td>07.07.18</td>
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<tr>
<td>KU4/18</td>
<td>03.09.18</td>
<td>19.09.18</td>
<td>24.09.18</td>
<td>06.10.18</td>
</tr>
</tbody>
</table>

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

Each additional pair of samples: 27,00 €

**Sample material**

- Urine, lyophilized, 2 samples each 5 ml

**Analytes**

- Albumin
- \(\alpha\)1-microglobulin
- \(\alpha\)2-macroglobulin
- Calcium, total
- Chloride
- Citrate
- Protein, total
- Glucose
- Uric acid

- Urea
- IgG
- Potassium
- Creatinine
- Magnesium
- Sodium
- Osmolality
- Oxalate
- Phosphorus, inorganic

**Test strip**

- Bilirubin
- Nitrite
- Ketone
- Specific gravity
- Phosphate
- Protein
- Glucose
- Hemoglobin
- Leukocytes
- 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. The registration form for this survey you will find on page 63/64.

### LP  Lipoproteins

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>survey period from</th>
<th>to</th>
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</thead>
<tbody>
<tr>
<td>LP1/18</td>
<td>22.01.18</td>
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<td>12.02.18</td>
<td>24.02.18</td>
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<td>LP2/18</td>
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<td>30.04.18</td>
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<td>LP3/18</td>
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<td>28.07.18</td>
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<td>LP4/18</td>
<td>17.09.18</td>
<td>01.10.18</td>
<td>08.10.18</td>
<td>20.10.18</td>
</tr>
</tbody>
</table>

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

Each additional pair of samples: 27,00 €

**Sample material**

- Serum, lyophilized, 2 samples each 3 ml

**Analytes**

- Apolipoproteins (A, B)
- Cholesterol
- Homocysteine
- HDL
- LDL
- Lipoprotein(a)
- Triglycerides

**Information**

The registration form for this survey you will find on page 63/64.

### NBS  Newborn screening

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>survey period from</th>
<th>to</th>
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<tbody>
<tr>
<td>NBS1/18</td>
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</table>
Fee for each survey inclusive sample material, net prices plus VAT

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>survey period from</th>
<th>to</th>
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<td>OH2/18</td>
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<td>OH3/18</td>
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<td>11.08.18</td>
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<tr>
<td>OH4/18</td>
<td>01.10.18</td>
<td>17.10.18</td>
<td>22.10.18</td>
<td>03.11.18</td>
</tr>
</tbody>
</table>

fee for each additional set of samples 43.00 €

fee for each additional pair of samples 26.00 €

Sample material
filter papers, each with 2 dried blood spots

Analytes
TSH
17-OH-progesterone
IRT
PAP

Information
The registration form for this survey you will find on page 63/64.

OH  Hemoglobin derivates

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

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
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<td>OH3/18</td>
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<td>22.10.18</td>
<td>03.11.18</td>
</tr>
</tbody>
</table>

fee for each additional pair of samples 34.00 €

fee for each additional pair of samples 18.00 €

Sample material
hemolysate, 2 samples each 2 ml

Analytes
hemoglobin (total)  oxyhemoglobin (HbO₂)  carboxyhemoglobin (COHb)  methemoglobin (metHb)

Information
The registration form for this survey you will find on page 63/64.

OS  Bone metabolism

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

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>survey period from</th>
<th>to</th>
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<tbody>
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<tr>
<td>OS2/18</td>
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<td>19.09.18</td>
<td>24.09.18</td>
<td>06.10.18</td>
</tr>
</tbody>
</table>

fee for each additional pair of samples 85.00 €

fee for each additional pair of samples 48.00 €

Sample material
serum, lyophilized, 2 samples each 2 ml

Analyte
osteocalcin, bone specific alkaline phosphatase (BAP), CTx (CrossLaps) and P1NP

Information
The registration form for this survey you will find on page 63/64.
PH  Photometer control

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>survey period from</th>
<th>to</th>
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</thead>
<tbody>
<tr>
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<td>29.08.18</td>
<td>03.09.18</td>
<td>15.09.18</td>
</tr>
</tbody>
</table>

Fee for each survey inclusive sample material, net prices plus VAT
30,00 €
each additional set of samples
20,00 €

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 wave lengths listed can be tested.
The registration form for this survey you will find on page 63/64.

RE  Reticulocytes

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>survey period from</th>
<th>to</th>
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</thead>
<tbody>
<tr>
<td>RE1/18</td>
<td>16.10.17</td>
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<td>RE2/18</td>
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<td>RE4/18</td>
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<td>09.10.18</td>
<td>10.10.18</td>
<td>17.10.18</td>
</tr>
</tbody>
</table>

Fee for each survey inclusive sample material, net prices plus VAT
52,00 €
each additional pair of samples
36,00 €

Sample material
blood preparation, liquid, 2 samples each about 1 ml

Analytes
reticulocyte count

Information
The samples can be used for a counting by visual microscopy or by automated cell counting. The registration form for this survey you will find on page 63/64.

RF  Rheumatoid factors

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>survey period from</th>
<th>to</th>
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</thead>
<tbody>
<tr>
<td>RF1/18</td>
<td>05.02.18</td>
<td>21.02.18</td>
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<td>RF2/18</td>
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<td>RF4/18</td>
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</table>

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

<table>
<thead>
<tr>
<th>material</th>
<th>fee</th>
<th>additional set</th>
</tr>
</thead>
<tbody>
<tr>
<td>set 1</td>
<td>35,50 €</td>
<td>21,00 €</td>
</tr>
<tr>
<td>set 2</td>
<td>24,00 €</td>
<td>17,50 €</td>
</tr>
<tr>
<td>set 1 and set 2</td>
<td>47,50 €</td>
<td>38,50 €</td>
</tr>
</tbody>
</table>

Surveys of the RfB
**Sample material**
serum, lyophilized, 2 samples each 1 ml

**Analytes**

**set 1**
rheumatoid factors qualitative and quantitative
anti-CCP-Ab (anti-cyclic citrullinated peptide antibodies)
IgA-RF
IgG-RF
IgM-RF

**set 2**
anti-streptolysin O qualitative and quantitative

**Information**
The registration form for this survey you will find on page 63/64.

### SA Thyroid antibodies

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
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<th>to</th>
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<tbody>
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<td>SA2/18</td>
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<td>13.08.18</td>
<td>25.08.18</td>
</tr>
</tbody>
</table>

### Fee for each survey inclusive sample material, net prices plus VAT
47,00 € each additional pair of samples 34,00 €

**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)

**Information**
The registration form for this survey you will find on page 63/64.

### SD Pregnancy diagnostic

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>survey period from</th>
<th>to</th>
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<tr>
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<td>SD2/18</td>
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<td>SD4/18</td>
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<td>12.09.18</td>
<td>17.09.18</td>
<td>06.10.18</td>
</tr>
</tbody>
</table>

### Fee for each survey inclusive sample material, net prices plus VAT
material fee additional set
set 1 41,00 € 22,00 €
set 2 37,00 € 25,00 €
set 1 and set 2 69,00 € 47,00 €

**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
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.
The registration form for this survey you will find on page 63/64.

**SP  Trace elements in urine**

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>survey period from</th>
<th>to</th>
</tr>
</thead>
<tbody>
<tr>
<td>SP1/18</td>
<td>05.02.18</td>
<td>21.02.18</td>
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<td>17.03.18</td>
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<td>08.08.18</td>
<td>13.08.18</td>
<td>01.09.18</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th></th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>each additional pair of samples</td>
<td>34,00 €</td>
<td></td>
</tr>
</tbody>
</table>

**Sample material**

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

**Analytes**

<table>
<thead>
<tr>
<th>Analyte</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>aluminium</td>
<td>chromium</td>
</tr>
<tr>
<td>arsenic</td>
<td>cobalt</td>
</tr>
<tr>
<td>cadmium</td>
<td>copper</td>
</tr>
<tr>
<td>chromium</td>
<td>fluoride</td>
</tr>
<tr>
<td>iron</td>
<td>manganese</td>
</tr>
<tr>
<td>lead</td>
<td>mercury</td>
</tr>
<tr>
<td>nickel</td>
<td>selenium</td>
</tr>
<tr>
<td>copper</td>
<td>zinc</td>
</tr>
<tr>
<td>iron</td>
<td>zinc</td>
</tr>
<tr>
<td>lead</td>
<td>zinc</td>
</tr>
<tr>
<td>nickel</td>
<td>zinc</td>
</tr>
<tr>
<td>selenium</td>
<td>zinc</td>
</tr>
</tbody>
</table>

**Information**

The registration form for this survey you will find on page 65/66.

**SV  Saliva diagnostic**

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>survey period from</th>
<th>to</th>
</tr>
</thead>
<tbody>
<tr>
<td>SV1/18</td>
<td>22.01.18</td>
<td>11.04.18</td>
<td>16.04.18</td>
<td>28.04.18</td>
</tr>
<tr>
<td>SV2/18</td>
<td>28.05.18</td>
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<td>24.09.18</td>
<td>06.10.18</td>
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</table>

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

<table>
<thead>
<tr>
<th></th>
<th>Description</th>
<th>Price</th>
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</thead>
<tbody>
<tr>
<td>each additional pair of samples</td>
<td>22,00 €</td>
<td></td>
</tr>
</tbody>
</table>

**Sample material**

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

**Analyte**

cortisol, 17-OH-progesterone

**Information**

The registration form for this survey you will find on page 65/66.
Thrombophilia screening

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Dispatch date</th>
<th>Closing date</th>
</tr>
</thead>
<tbody>
<tr>
<td>TH1/18</td>
<td></td>
<td>27.02.18</td>
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</tr>
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<td>TH2/18</td>
<td>06.12.17</td>
<td>29.05.18</td>
<td>26.06.18</td>
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<tr>
<td>TH3/18</td>
<td></td>
<td>28.08.18</td>
<td>25.09.18</td>
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<tr>
<td>TH4/18</td>
<td></td>
<td>13.11.18</td>
<td>11.12.18</td>
</tr>
</tbody>
</table>

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

Please note, that you can order only all the two resp. four surveys of the year together! An order of a single survey (one/two times a year) is not possible in this case.

Fee

Result submission via internet/report internet, annual subscription fee €87.50
Result submission via internet/report internet+post, annual subscription fee €137.50

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

- Thrombophilia module I €355.00
- Thrombophilia module II €137.50
- Lupus Anticoagulant / Antiphospholipid Antibodies €137.50
- Von Willebrand Faktor module (antigen, activity, collagen binding, multimers, Factor VIII) €125.50
- ADAMTS-13 - I (activity and antigen) €162.50
- Factor XIII (activity and antigen) €125.50
- Fibrinolysis parameters I (Plasminogen, Antiplasmin) €125.50
- Fibrinolysis parameters II (t-PA, PAI-1) €125.50
- Unfractionated Heparin Monitoring (anti-Xa) €116.50
- Low-Molecular Weight Heparin Monitoring (anti-Xa) €116.50

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

- Faktor VIII Inhibitor €142.50
- Thrombin Generation Test €135.00
- ADAMTS-13 - II (inhibitor) €85.00
- Factor IX Inhibitor €142.50

The following prices are valid in each case for one survey

- HIT - Immunological assays €85.00

Sample material
plasma or serum, human, lyophilized, ca. 0.5 - 1 ml (1 or 2 sample(s) each)

Analytes 4 per year: TH1/18, TH2/18, TH3/18, TH4/18

Thrombophilia module I
Includes an annual report on the long-term 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)

Lupus Anticoagulant / Antiphospholipide Antibodies
Von Willebrand Factor module (antigen, 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 (TH2/18 + TH4/18)
- Thrombin Generation Test (TH2/18 + TH4/18)
- ADAMTS-13 - II (antibodies) (TH2/18 + TH4/18)
- Factor IX Inhibitor (TH1/18 + TH3/18)

Analytes 1 per year:
- HIT - I Immunological assays (TH3/18)
In cooperation with the Dutch organization ECAT the Reference Institute for Bioanalytics provides special surveys for thrombophilia screening.

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

**Sample material**
The samples will consist of lyophilized human plasma or serum with different volume (0.5 to 1 ml).

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

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

The result submission is only possible via internet.

The registration form for this survey you will find on page 59/60.

---

### TM  Tumor markers

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>survey period from</th>
<th>to</th>
</tr>
</thead>
<tbody>
<tr>
<td>TM1/18</td>
<td>11.12.17</td>
<td>03.01.18</td>
<td>08.01.18</td>
<td>27.01.18</td>
</tr>
<tr>
<td>TM2/18</td>
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<td>04.01.18</td>
<td>09.04.18</td>
<td>28.04.18</td>
</tr>
<tr>
<td>TM3/18</td>
<td>11.06.18</td>
<td>27.06.18</td>
<td>02.07.18</td>
<td>21.07.18</td>
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<tr>
<td>TM4/18</td>
<td>27.08.18</td>
<td>12.09.18</td>
<td>17.09.18</td>
<td>06.10.18</td>
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</tbody>
</table>

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

<table>
<thead>
<tr>
<th>evaluation pair analytical results</th>
<th>1-2</th>
<th>3-6</th>
<th>each additional 4 pairs of analytical results</th>
<th>5,00 €</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>each additional pair of samples</td>
<td>33,00 €</td>
</tr>
</tbody>
</table>

---

### Sample material

serum, lyophilized, 2 samples each 2,5 ml

---

### Analytes

<table>
<thead>
<tr>
<th>Analytes</th>
<th>chromogranin A</th>
<th>PAP (only mass concentration, no enzyme activity)</th>
<th>SCC</th>
<th>thyroglobulin</th>
</tr>
</thead>
<tbody>
<tr>
<td>AFP</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CA 15-3</td>
<td>CEA</td>
<td>PSA</td>
<td></td>
<td>PSA free</td>
</tr>
<tr>
<td>CA 19-9</td>
<td>CYFRA</td>
<td>cPSA (complexed PSA)</td>
<td></td>
<td>TPA</td>
</tr>
<tr>
<td>CA 72-4</td>
<td>hCG</td>
<td>PSA free</td>
<td></td>
<td>TPS</td>
</tr>
<tr>
<td>CA 12S</td>
<td>NSE</td>
<td>S-100</td>
<td>SCC</td>
<td></td>
</tr>
<tr>
<td>calcitonin</td>
<td>β-2-microglobulin</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

### Information

The registration form for this survey you will find on page 65/66.

---

### TR  Clinical chemical analytes in serum „dry chemistry“

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>survey period from</th>
<th>to</th>
</tr>
</thead>
<tbody>
<tr>
<td>TR1/18</td>
<td>27.11.17</td>
<td>13.12.17</td>
<td>02.01.18</td>
<td>13.01.18</td>
</tr>
<tr>
<td>TR2/18</td>
<td>05.03.18</td>
<td>21.03.18</td>
<td>26.03.18</td>
<td>07.04.18</td>
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<tr>
<td>TR3/18</td>
<td>18.06.18</td>
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<td>09.07.18</td>
<td>21.07.18</td>
</tr>
<tr>
<td>TR4/18</td>
<td>17.09.18</td>
<td>01.10.18</td>
<td>08.10.18</td>
<td>20.10.18</td>
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</tbody>
</table>
Fee for each survey inclusive sample material, net prices plus VAT

<table>
<thead>
<tr>
<th>Evaluation pair analytical results</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-8</td>
<td>41,00 €</td>
</tr>
<tr>
<td>9-12</td>
<td>45,00 €</td>
</tr>
<tr>
<td>Each additional 4 pairs of analytical results</td>
<td>4,00 €</td>
</tr>
<tr>
<td>Each additional pair of samples</td>
<td>22,00 €</td>
</tr>
</tbody>
</table>

Sample material

- serum, lyophilized, 2 samples each 5 ml

Analytes

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

Information

- This offer is addressed to users of Vitros and Reflotron systems and other „dry chemistry“ instruments.
- The registration form for this survey you will find on page 65/66.

VT Vitamins and analgesics

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>Survey period from</th>
<th>to</th>
</tr>
</thead>
<tbody>
<tr>
<td>VT1/18</td>
<td>19.02.18</td>
<td>07.03.18</td>
<td>12.03.18</td>
<td>24.03.18</td>
</tr>
<tr>
<td>VT2/18</td>
<td>23.07.18</td>
<td>08.08.18</td>
<td>13.08.18</td>
<td>25.08.18</td>
</tr>
</tbody>
</table>

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

- Each additional pair of samples | 41,00 € |
- 24,00 € |

Sample material

- serum, lyophilized, 2 samples each 3 ml

Analytes

- vitamin A  (retinol)
- vitamin B₆ (pyridoxal-5-phosphate)
- vitamin B₁₂ (cyanocobalamin)
- vitamin B₁ (thiamine)
- vitamin D  25-OH-D₃ (25-OH-cholecalciferol), 25-(OH)₂-D₃
- vitamin E  (tocopherol) and vitamin D total

Information

- The registration form for this survey you will find on page 65/66.
**ZL  Cell count in cerebrospinal fluid (CSF)**

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>survey period from</th>
<th>to</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZL1/18</td>
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<td>10.03.18</td>
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<tr>
<td>ZL2/18</td>
<td>18.06.18</td>
<td>19.09.18</td>
<td>24.09.18</td>
<td>29.09.18</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>each additional pair of samples</th>
<th>€</th>
</tr>
</thead>
<tbody>
<tr>
<td>63,50 €</td>
<td></td>
</tr>
<tr>
<td>45,00 €</td>
<td></td>
</tr>
</tbody>
</table>

**Sample material**
cerebrospinal fluid, 2 samples each about 2 ml

**Analytes**
- erythrocyte count
- leukocyte count

**Information**
In this survey erythrocytes (red cells) and leukocytes (white cells) can be counted with visual methods (microscope) or electronic methods from a cerebrospinal fluid.
The registration form for this survey you will find on page 65/66.

**ZY  Cytokines**

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>survey period from</th>
<th>to</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZY1/18</td>
<td>05.02.18</td>
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<td>10.03.18</td>
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<td>ZY2/18</td>
<td>16.04.18</td>
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<td>07.05.18</td>
<td>19.05.18</td>
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<tr>
<td>ZY3/18</td>
<td>16.07.18</td>
<td>01.08.18</td>
<td>06.08.18</td>
<td>18.08.18</td>
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<tr>
<td>ZY4/18</td>
<td>17.09.18</td>
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<td>08.10.18</td>
<td>20.10.18</td>
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</table>

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

<table>
<thead>
<tr>
<th>each additional pair of samples</th>
<th>€</th>
</tr>
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<tbody>
<tr>
<td>41,00 €</td>
<td></td>
</tr>
<tr>
<td>25,00 €</td>
<td></td>
</tr>
</tbody>
</table>

**Sample material**
serum, lyophilized, 2 samples each 2 ml

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

Additionally PCT can also be determined with half quantitative procedures.

**Information**
The registration form for this survey you will find on page 65/66.
Qualitative determinations

AI  Antinuclear antibodies

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>survey period from</th>
<th>to</th>
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<tbody>
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<td>17.03.18</td>
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<tr>
<td>AI2/18</td>
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</table>

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

<table>
<thead>
<tr>
<th>material fee</th>
<th>additional set</th>
</tr>
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<tbody>
<tr>
<td>set 1 71,00 €</td>
<td>42,00 €</td>
</tr>
<tr>
<td>set 2 71,00 €</td>
<td>42,00 €</td>
</tr>
<tr>
<td>set 1 and set 2 126,00 €</td>
<td>84,00 €</td>
</tr>
</tbody>
</table>

Sample material

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

Analytes

set 1
ANA (antinuclear ab)
ENA (extractable antinuclear ab)
ds-DNA-ab
ANCA (antineutrophil cytoplasmatic ab)

set 2
AMA (antimitochondrial ab)
SMA (smooth muscle ab)
LKM-1 (liver-kidney-microsomes)
GBM (glomerular base membran ab)
Antiphospholipide ab
Celiak disease ab
Onconeural ab

Information

The registration form for this survey you will find on page 65/66.

AL  Allergology

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>survey period from</th>
<th>to</th>
</tr>
</thead>
<tbody>
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<td>AL1/18</td>
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<td>14.02.18</td>
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<td>03.03.18</td>
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<tr>
<td>AL2/18</td>
<td>23.04.18</td>
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<td>26.05.18</td>
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<tr>
<td>AL3/18</td>
<td>16.07.18</td>
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</table>

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

<table>
<thead>
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<th>additional set</th>
</tr>
</thead>
<tbody>
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<tr>
<td>set 2 59,00 €</td>
<td>38,00 €</td>
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<tr>
<td>set 1 and set 2 69,00 €</td>
<td>49,00 €</td>
</tr>
</tbody>
</table>

Sample material

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

The volume of the specimens in some cases may be different depending on the producer.

The samples for the determination of specific IgE-antibodies (set 2) contain allergens from inhallation, food and insects. Expected the following allergens will be offered (changes possible):
AL1/18: common ragweed (w1), mites (d1), hazelnut (f17), honey bee venom (i1), strawberry (f44), alder (t2)
AL2/18: birch (t3), cat epithelia (e1), cod (f3), wasp venom (i3), rye, cultivated (g12), mites (d2)
AL3/18: common ragweed (w1), mites (d1), carrot (f31), honey bee venom (i1), whear flour (f4), mugwort (w6)
AL4/18: timothy grass (g6), dog danders (e5), pear (f94), wasp venom (i3), rye, cultivated (g12), celery (f85)

Analytes

IgE
specific IgE antibodies
Information
From a large number of possible IgE-antibodies we will supply for investigation changing groups of antibodies. It is also possible to give a classification of the stage of sensibilisation.
The registration form for this survey you will find on page 65/66.

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>survey period from</th>
<th>to</th>
</tr>
</thead>
<tbody>
<tr>
<td>BorrBimm1/18</td>
<td>03.04.18</td>
<td>16.05.18</td>
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<tr>
<td>BorrBimm2/18</td>
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<td>08.10.18</td>
<td>20.10.18</td>
</tr>
</tbody>
</table>

Fee for each survey inclusive sample material, net prices plus VAT
47,00 €
each additional set of samples
25,00 €

Sample material
4 liquid samples of defibrinated plasma or serum

Analytes
Anti-Borrelia burgdorferi IgG
Anti-Borrelia burgdorferi IgM
Anti-Borrelia burgdorferi total

Information
For deliveries abroad additional freight charges will be invoiced possibly.
The registration form for this survey you will find on page 65/66.

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>survey period from</th>
<th>to</th>
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<tbody>
<tr>
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<td>08.01.18</td>
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<td>19.03.18</td>
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<tr>
<td>CMVimm2/18</td>
<td>25.06.18</td>
<td>29.08.18</td>
<td>03.09.18</td>
<td>15.09.18</td>
</tr>
</tbody>
</table>

Fee for each survey inclusive sample material, net prices plus VAT
88,00 €
each additional set of samples
44,00 €

Sample material
4 liquid samples of defibrinated plasma or serum

Analytes
Anti-CMV IgG + total
Anti-CMV IgM

Information
For deliveries abroad additional freight charges will be invoiced possibly.
The registration form for this survey you will find on page 65/66.

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>survey period from</th>
<th>to</th>
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<tbody>
<tr>
<td>DF1/18</td>
<td>08.01.18</td>
<td>24.01.18</td>
<td>29.01.18</td>
<td>10.02.18</td>
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<td>DF2/18</td>
<td>03.04.18</td>
<td>18.04.18</td>
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<td>05.05.18</td>
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<td>DF3/18</td>
<td>02.07.18</td>
<td>18.07.18</td>
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<td>04.08.18</td>
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<td>DF4/18</td>
<td>10.09.18</td>
<td>26.09.18</td>
<td>01.10.18</td>
<td>13.10.18</td>
</tr>
</tbody>
</table>

Fee for each survey inclusive sample material, net prices plus VAT
43,00 €
each additional pair of samples
25,00 €

Sample material
2 blood slides, stained Pappenheim
## DS  Drug screening in urine

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>survey period from</th>
<th>to</th>
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</thead>
<tbody>
<tr>
<td>DS1/18</td>
<td>29.01.18</td>
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<tr>
<td>DS2/18</td>
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<td>08.05.18</td>
<td>14.05.18</td>
<td>26.05.18</td>
</tr>
<tr>
<td>DS3/18</td>
<td>09.07.18</td>
<td>25.07.18</td>
<td>30.07.18</td>
<td>11.08.18</td>
</tr>
<tr>
<td>DS4/18</td>
<td>17.09.18</td>
<td>01.10.18</td>
<td>08.10.18</td>
<td>20.10.18</td>
</tr>
</tbody>
</table>

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

- Each additional pair of samples: 59.00 €
- Each additional set of samples: 33.00 €

### Sample material

- Urine, lyophilized, 2 samples each 10 ml

### Analytes

- Amphetamines etc.
- Barbiturates
- Benzodiazepines
- Cannabinoids
- Cocaine/metabolites
- LSD

- Methadone/metabolites
- Methaqualone/metabolites
- Opiates/opioids
- Phenacyclidine
- Propoxyphene
- Tricyclic antidepressants

### Information

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

## EBVimm  Epstein-Barr-Virus serology

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>survey period from</th>
<th>to</th>
</tr>
</thead>
<tbody>
<tr>
<td>EBVimm1/18</td>
<td>29.01.18</td>
<td>28.02.18</td>
<td>05.03.18</td>
<td>17.03.18</td>
</tr>
<tr>
<td>EBVimm2/18</td>
<td>06.08.18</td>
<td>22.08.18</td>
<td>27.08.18</td>
<td>08.09.18</td>
</tr>
</tbody>
</table>

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

- Each additional set of samples: 85.00 €
- Each additional set of samples: 44.00 €

### Sample material

- Plasma, 4 samples, each 500 µl

### Analytes

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

### Information

- For deliveries abroad additional freight charges will be invoiced possibly.
- The registration form for this survey you will find on page 65/66.
## HAVimm HAV serology

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>survey period from</th>
<th>to</th>
</tr>
</thead>
<tbody>
<tr>
<td>HAVimm1/18</td>
<td>08.01.18</td>
<td>14.03.18</td>
<td>19.03.18</td>
<td>31.03.18</td>
</tr>
<tr>
<td>HAVimm2/18</td>
<td>25.06.18</td>
<td>29.08.18</td>
<td>03.09.18</td>
<td>15.09.18</td>
</tr>
</tbody>
</table>

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

| each additional set of samples | 68,00 € | 44,00 € |

- **Sample material**
  4 liquid samples of defibrinated plasma or serum

- **Analytes**
  - Anti-HAV IgG
  - Anti-HAV IgM
  - Anti-HAV total

- **Information**
  For deliveries abroad additional freight charges will be invoiced possibly.
  The registration form for this survey you will find on page 65/66.

## HBVimm1 HBV serology minor

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
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<th>survey period from</th>
<th>to</th>
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<td>HBVimm12/18</td>
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<td>03.09.18</td>
<td>15.09.18</td>
</tr>
</tbody>
</table>

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

| each additional set of samples | 88,00 € | 44,00 € |

- **Sample material**
  4 liquid samples of defibrinated plasma or serum

- **Analytes**
  - HBsAg
  - Anti-HBs
  - Anti-HBc

- **Information**
  For deliveries abroad additional freight charges will be invoiced possibly.
  The registration form for this survey you will find on page 65/66.

## HBVimm2 HBV serology major

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>survey period from</th>
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<td>HBVimm21/18</td>
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<td>15.09.18</td>
</tr>
</tbody>
</table>

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

| each additional set of samples | 118,00 € | 58,00 € |

- **Untersuchungsmaterial**
  4 liquid samples of defibrinated plasma or serum

- **Analytes**
  - HBsAg
  - Anti-HBc
  - Anti-HBe
  - Anti-HBs
  - HBs
  - Anti-HBc-IgM

- **Information**
  For deliveries abroad additional freight charges will be invoiced possibly.
  The registration form for this survey you will find on page 65/66.
### HCVimm  HCV serology

<table>
<thead>
<tr>
<th>Survey</th>
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<th>Sample dispatch date</th>
<th>survey period from</th>
<th>to</th>
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<td>03.09.18</td>
<td>15.09.18</td>
</tr>
</tbody>
</table>

- Fee for each survey inclusive sample material, net prices plus VAT: €88.00 each additional set of samples: €44.00

- **Sample material:**
  - 4 liquid samples of defibrinated plasma or serum

- **Analytes**
  - Anti-HCV IgG + IgM

- **Information**
  - For deliveries abroad additional freight charges will be invoiced possibly.
  - The registration form for this survey you will find on page 65/66.

### HerpVimm  Herpes viruses serology

<table>
<thead>
<tr>
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<th>Sample dispatch date</th>
<th>survey period from</th>
<th>to</th>
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</thead>
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<td>HerpVimm2/18</td>
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<td>22.08.18</td>
<td>27.08.18</td>
<td>08.09.18</td>
</tr>
</tbody>
</table>

- Fee for each survey inclusive sample material, net prices plus VAT:
  - set 1: €80.00
  - set 2: €80.00
  - set 1 + 2: €130.00 each additional set of samples: €44.00

- **Sample material**
  - plasma, 4 samples, each 500 µl

- **Analytes**
  - Set 1: HSV 1/2  IgG + IgM
  - Set 2: VZV  IgG + IgM

- **Information**
  - For deliveries abroad additional freight charges will be invoiced possibly.
  - The registration form for this survey you will find on page 67/68.

### HIVimm  HIV serology

<table>
<thead>
<tr>
<th>Survey</th>
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<th>Sample dispatch date</th>
<th>survey period from</th>
<th>to</th>
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<td>29.08.18</td>
<td>03.09.18</td>
<td>15.09.18</td>
</tr>
</tbody>
</table>

- Fee for each survey inclusive sample material, net prices plus VAT: €118.00 each additional set of samples: €58.00

- **Sample material**
  - 4 liquid samples of defibrinated plasma or serum

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

- **Information**
  - For deliveries abroad additional freight charges will be invoiced possibly.
  - The registration form for this survey you will find on page 67/68.
## HS  Urinary calculus

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>survey period from</th>
<th>to</th>
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<td>03.03.18</td>
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<tr>
<td>HS2/18</td>
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<td>08.08.18</td>
<td>13.08.18</td>
<td>25.08.18</td>
</tr>
</tbody>
</table>

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

| Each additional set of samples | 35,00 € | 14,00 € |

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

## HTLVimm  Human T-lymphotropic virus

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>survey period from</th>
<th>to</th>
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<tr>
<td>HTLVimm2/18</td>
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<td>08.08.18</td>
<td>13.08.18</td>
<td>25.08.18</td>
</tr>
</tbody>
</table>

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

| Each additional set of samples | 90,00 € | 42,00 € |

➤ Sample material
lyophilized plasma, 4 samples

➤ Analytes
Human T-lymphotropic virus

➤ Information
For deliveries abroad additional freight charges will be invoiced possibly. The registration form for this survey you will find on page 67/68.

## IA  Immunohematology for automated systems

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>survey period from</th>
<th>to</th>
</tr>
</thead>
<tbody>
<tr>
<td>IA1/18</td>
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<td>17.02.18</td>
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<tr>
<td>IA2/18</td>
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<td>18.04.18</td>
<td>28.04.18</td>
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<tr>
<td>IA3/18</td>
<td>09.07.18</td>
<td>31.07.18</td>
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<td>11.08.18</td>
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<tr>
<td>IA4/18</td>
<td>24.09.18</td>
<td>16.10.18</td>
<td>17.10.18</td>
<td>27.10.18</td>
</tr>
</tbody>
</table>

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

| Each additional set of samples | 81,00 € | 42,00 € |

➤ Sample material
whole blood, liquid 2 samples each about 3 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

➤ Information
The registration form for this survey you will find on page 67/68.
### IH Immunohematology Major (extended offer)

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>survey period from</th>
<th>to</th>
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<td>IH2/18</td>
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<td>21.04.18</td>
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<tr>
<td>IH3/18</td>
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<td>11.07.18</td>
<td>21.07.18</td>
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<tr>
<td>IH4/18</td>
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<td>09.10.18</td>
<td>10.10.18</td>
<td>20.10.18</td>
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</table>

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

<table>
<thead>
<tr>
<th>Item Description</th>
<th>Fee</th>
<th>Additional Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Each survey</td>
<td>58,00 €</td>
<td>30,00 €</td>
</tr>
<tr>
<td>Each additional set of samples</td>
<td>58,00 €</td>
<td>30,00 €</td>
</tr>
</tbody>
</table>

**Sample material**
- Erythrocyte suspension, liquid
- Serum, liquid

**Analytes**
- AB0-system (blood groups)
- A-subgroups
- Rhesus-factor (D-variants)
- Rhesus-system (rhhesus-formula)
- Cw antigen
- Kell antigen
- Direct Coombs’ test
- Antibody test

**Information**
In this survey additionally to the analytes of the basic program (Minor) antibody differentiation is included. The registration form for this survey you will find on page 67/68.

### IM Immunohematology Minor (basic program)

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>survey period from</th>
<th>to</th>
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</thead>
<tbody>
<tr>
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<td>03.02.18</td>
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<tr>
<td>IM2/18</td>
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<td>21.04.18</td>
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<tr>
<td>IM3/18</td>
<td>18.06.18</td>
<td>10.07.18</td>
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<td>21.07.18</td>
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<tr>
<td>IM4/18</td>
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<td>09.10.18</td>
<td>10.10.18</td>
<td>20.10.18</td>
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</table>

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

<table>
<thead>
<tr>
<th>Item Description</th>
<th>Fee</th>
<th>Additional Fee</th>
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<tbody>
<tr>
<td>Each survey</td>
<td>50,00 €</td>
<td>24,50 €</td>
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<tr>
<td>Each additional set of samples</td>
<td>50,00 €</td>
<td>24,50 €</td>
</tr>
</tbody>
</table>

**Sample material**
- Erythrocyte suspension, liquid
- Serum, liquid

**Analytes**
- AB0-system (blood groups)
- A-subgroups
- Rhesus-factor (D-variants)
- Rhesus-system (rhhesus-formula)
- Cw antigen
- Kell antigen
- Direct Coombs’ test
- Antibody test

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

### KUST Clinical chemistry from urine, test strip and pregnancy test, qualitative

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>survey period from</th>
<th>to</th>
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<td>KUST3/18</td>
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<td>KUST4/18</td>
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<td>24.09.18</td>
<td>06.10.18</td>
</tr>
</tbody>
</table>
Fee for each survey inclusive sample material, net prices plus VAT

<table>
<thead>
<tr>
<th></th>
<th>set 1</th>
<th>set 2</th>
<th>set 1 + 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>each additional set of samples</td>
<td>80,00 €</td>
<td>80,00 €</td>
<td>130,00 €</td>
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</table>

MaMulIm Morbilli and mumps serology

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>survey period from</th>
<th>to</th>
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<tbody>
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<td>29.01.18</td>
<td>28.02.18</td>
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<td>MaMulImm2/18</td>
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<td>22.08.18</td>
<td>27.08.18</td>
<td>08.09.18</td>
</tr>
</tbody>
</table>

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

each additional pair of samples

|                           | 22,00 € | 15,00 € |

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

Analytes

<table>
<thead>
<tr>
<th>Test strip</th>
<th>pH</th>
<th>protein</th>
<th>hemoglobin</th>
<th>pregnancy</th>
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</thead>
<tbody>
<tr>
<td>bilirubin</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ketone</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>glucose</td>
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<td></td>
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</tr>
<tr>
<td>nitrite</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>leukocytes</td>
<td></td>
<td></td>
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<tr>
<td>specific gravity</td>
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<tr>
<td>urobilinogen</td>
<td></td>
<td></td>
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</tbody>
</table>

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

MaMulIm Morbilli and mumps serology

<table>
<thead>
<tr>
<th>Survey</th>
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<td>22.08.18</td>
<td>27.08.18</td>
<td>08.09.18</td>
</tr>
</tbody>
</table>

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

each additional set of samples

|                           | 80,00 € | 80,00 € | 130,00 € |

Sample material
plasma, 4 samples, each 500 µl

Analytes
Set 1: morbilli IgG + IgM
Set 2: mumps IgG + IgM

Information
For deliveries abroad additional freight charges will be invoiced possibly.
The registration form for this survey you will find on page 67/68.

OB Oligoclonal bands in cerebrospinal fluid (CSF)

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>survey period from</th>
<th>to</th>
</tr>
</thead>
<tbody>
<tr>
<td>OB1/18</td>
<td>19.02.18</td>
<td>07.03.18</td>
<td>12.03.18</td>
<td>31.03.18</td>
</tr>
<tr>
<td>OB2/18</td>
<td>06.08.18</td>
<td>22.08.18</td>
<td>27.08.18</td>
<td>15.09.18</td>
</tr>
</tbody>
</table>

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

each additional pair of samples

|                           | 38,50 € | 19,00 € |

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

Analytes
oligoclonal bands in cerebrospinal fluid; diagnosis can be given.

Information
The registration form for this survey you will find on page 67/68.
Parvovirus B19 serology

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>Survey period from</th>
<th>to</th>
</tr>
</thead>
<tbody>
<tr>
<td>pvB19imm1/18</td>
<td>08.01.18</td>
<td>14.03.18</td>
<td>19.03.18</td>
<td>31.03.18</td>
</tr>
<tr>
<td>pvB19imm2/18</td>
<td>25.06.18</td>
<td>29.08.18</td>
<td>03.09.18</td>
<td>15.09.18</td>
</tr>
</tbody>
</table>

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

€ €

each additional set of samples

Sample material

4 liquid samples of defibrinated plasma or serum

Analytes

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

Information

For deliveries abroad additional freight charges will be invoiced possibly.
The registration form for this survey you will find on page 67/68.

Anti-Rubella-Virus

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>Survey period from</th>
<th>to</th>
</tr>
</thead>
<tbody>
<tr>
<td>RoetLimm1/18</td>
<td>03.04.18</td>
<td>16.05.18</td>
<td>22.05.18</td>
<td>02.06.18</td>
</tr>
<tr>
<td>RoetLimm2/18</td>
<td>20.08.18</td>
<td>01.10.18</td>
<td>08.10.18</td>
<td>20.10.18</td>
</tr>
</tbody>
</table>

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

€ €

each additional set of samples

Sample material

4 liquid samples of defibrinated plasma or serum

Analytes

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

Information

For deliveries abroad additional freight charges will be invoiced possibly.
The registration form for this survey you will find on page 67/68.

Systematic toxicologic analysis

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>Survey period from</th>
<th>to</th>
</tr>
</thead>
<tbody>
<tr>
<td>SX1/18</td>
<td>26.02.18</td>
<td>18.04.18</td>
<td>23.04.18</td>
<td>12.05.18</td>
</tr>
<tr>
<td>SX2/18</td>
<td>25.06.18</td>
<td>15.08.18</td>
<td>20.08.18</td>
<td>08.09.18</td>
</tr>
</tbody>
</table>

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

€ €

each additional pair of samples

Sample material

urine, lyophilized, 2 samples each 10 ml

Analytes

From a list of 30 substances, the proof of 6 - 8 substances with chromatographic methods is required in both samples

Information

The registration form for this survey you will find on page 67/68.
ToxoGimm  Anti-Toxoplasma-gondii

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>Survey period from</th>
<th>to</th>
</tr>
</thead>
<tbody>
<tr>
<td>ToxoGimm1/18</td>
<td>03.04.18</td>
<td>16.05.18</td>
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<td>02.06.18</td>
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<tr>
<td>ToxoGimm2/18</td>
<td>20.08.18</td>
<td>01.10.18</td>
<td>08.10.18</td>
<td>20.10.18</td>
</tr>
</tbody>
</table>

€ Fee for each survey inclusive sample material, net prices plus VAT
47,00 €
each additional set of samples
25,00 €

▶ Sample material
4 liquid samples of defibrinated plasma or serum

▶ Analytes
Anti-Toxoplasma-gondii IgG
Anti-Toxoplasma-gondii IgM
Anti-Toxoplasma-gondii total

▶ Information
For deliveries abroad additional freight charges will be invoiced possibly.
The registration form for this survey you will find on page 67/68.

TrepPimm  Anti-Treponema pallidum

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>Survey period from</th>
<th>to</th>
</tr>
</thead>
<tbody>
<tr>
<td>TrepPimm1/18</td>
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<td>16.05.18</td>
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<td>01.10.18</td>
<td>08.10.18</td>
<td>20.10.18</td>
</tr>
</tbody>
</table>

€ Fee for each survey inclusive sample material, net prices plus VAT
47,00 €
each additional set of samples
25,00 €

▶ Sample material
4 liquid samples of defibrinated plasma or serum

▶ Analytes
Anti-Treponema pallidum IgG
Anti-Treponema pallidum IgM
Anti-Treponema pallidum total

▶ Information
For deliveries abroad additional freight charges will be invoiced possibly.
The registration form for this survey you will find on page 67/68.

TX  Toxicologic analyses

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>Survey period from</th>
<th>to</th>
</tr>
</thead>
<tbody>
<tr>
<td>TX1/18</td>
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<td>19.02.18</td>
<td>03.03.18</td>
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<tr>
<td>TX2/18</td>
<td>09.07.18</td>
<td>25.07.18</td>
<td>30.07.18</td>
<td>11.08.18</td>
</tr>
</tbody>
</table>

€ Fee for each survey inclusive sample material, net prices plus VAT
47,00 €
each additional pair of samples
33,00 €

▶ Sample material
urine, lyophilized 1 sample 10 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. To succeed in this survey generally the use of chromatographic methods is essential.
The registration form for this survey you will find on page 67/68.
### US  Urine sediment

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Dispatch date of instruction</th>
<th>Survey period from</th>
<th>to</th>
</tr>
</thead>
<tbody>
<tr>
<td>US1/18</td>
<td>19.03.18</td>
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<td>03.04.18</td>
<td>14.04.18</td>
</tr>
<tr>
<td>US2/18</td>
<td>17.09.18</td>
<td>26.09.18</td>
<td>01.10.18</td>
<td>13.10.18</td>
</tr>
</tbody>
</table>

_fee for each survey, net prices plus VAT_

22,00 €

- **Sample material**
  - web-based, virtual microscopy of two urine sediments

- **Analytes**
  - Qualitative and semi-quantitative determinations
  - Morphology

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

### VariAimm  Various immunological analytes

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>Survey period from</th>
<th>to</th>
</tr>
</thead>
<tbody>
<tr>
<td>VariAimm1/18</td>
<td>03.04.18</td>
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<td>02.06.18</td>
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<td>VariAimm2/18</td>
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<td>01.10.18</td>
<td>08.10.18</td>
<td>20.10.18</td>
</tr>
</tbody>
</table>

_fee for each survey inclusive sample material, net prices plus VAT_

42,00 €

- **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

- **Information**
  - For deliveries abroad additional freight charges will be invoiced possibly.
  - The registration form for this survey you will find on page 67/68.

### ZZ  Cerebrospinal fluid cytology

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Dispatch date of instruction</th>
<th>Survey period from</th>
<th>to</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZZ1/18</td>
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<td>16.05.18</td>
<td>22.05.18</td>
<td>02.06.18</td>
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<tr>
<td>ZZ2/18</td>
<td>24.09.18</td>
<td>26.09.18</td>
<td>01.10.18</td>
<td>13.10.18</td>
</tr>
</tbody>
</table>

_fee for each survey, net prices plus VAT_

42,00 €

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

- **Analytes**
  - Both preparations are to be assessed for morphology and diagnosis

- **Information**
  - The registration form for this survey you will find on page 67/68.
Direct detection of pathogens

### BA Bacteriology Major

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>survey period from</th>
<th>to</th>
</tr>
</thead>
<tbody>
<tr>
<td>BA1/18</td>
<td>09.04.18</td>
<td>16.05.18</td>
<td>22.05.18</td>
<td>02.06.18</td>
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<tr>
<td>BA2/18</td>
<td>03.09.18</td>
<td>10.10.18</td>
<td>15.10.18</td>
<td>27.10.18</td>
</tr>
</tbody>
</table>

- **Fee for each survey inclusive sample material, net prices plus VAT**: 86.00 €

- **Sample material**: lyophilized control samples, 5 strains (samples A to E)

- **Investigation target**: identification and resistance testing

- **Information**: For deliveries abroad additional freight charges will be invoiced possibly. The registration form for this survey you will find on page 69/70.

### BakNAT1 Genome evidence group 1

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>survey period from</th>
<th>to</th>
</tr>
</thead>
<tbody>
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<td>BakNAT12/18</td>
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<td>24.10.18</td>
<td>29.10.18</td>
<td>10.11.18</td>
</tr>
</tbody>
</table>

- **Fee for each survey inclusive sample material, net prices plus VAT**: 150.00 € (one analyte), 50.00 € (each additional analyte)

- **Sample material**: lyophilized DNA, 4 samples

- **Analytes**
  - Analyte 1: Bordetella pertussis
  - Analyte 2: Chlamydia pneumoniae
  - Analyte 3: Mycoplasma pneumoniae
  - Analyte 4: Coxiella burnetii
  - Analyte 5: Francisella tularensis
  - Analyte 6: Legionella pneumophila
  - Analyte 7: MRSA
  - Analyte 8: Chlamydia trachomatis

- **Information**: For deliveries abroad additional freight charges will be invoiced possibly. The registration form for this survey you will find on page 69/70.
BakNAT2  Genome evidence group 2

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>survey period from</th>
<th>to</th>
</tr>
</thead>
<tbody>
<tr>
<td>BakNAT21/18</td>
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<td>25.04.18</td>
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<td>12.05.18</td>
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<tr>
<td>BakNAT22/18</td>
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<td>24.10.18</td>
<td>29.10.18</td>
<td>10.11.18</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>one analyte</th>
<th>150,00 €</th>
</tr>
</thead>
<tbody>
<tr>
<td>each additional analyte</td>
<td>50,00 €</td>
</tr>
</tbody>
</table>

Sample material
- lyophilized DNA, 4 samples

Analytes
- Analyte 1: Salmonella enterica
- Analyte 2: EHEC/STEC
- Analyte 3: Helicobacter pylori
- Analyte 4: Listeria monocytogenes
- Analyte 5: Borrelia burgdorferi
- Analyte 6: Neisseria gonorrhoeae

Information
- For deliveries abroad additional freight charges will be invoiced possibly.

The registration form for this survey you will find on page 69/70.

BAK-TK  Proficiency panel to detect bacteria in platelet concentrates

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>survey period from</th>
<th>to</th>
</tr>
</thead>
<tbody>
<tr>
<td>BAK-TK1/18</td>
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<td>25.04.18</td>
<td>26.04.18</td>
<td>27.04.18</td>
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<tr>
<td>Set 1</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>BAK-TK1/18</td>
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<td>25.04.18</td>
<td>26.04.18</td>
<td>09.05.18</td>
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<tr>
<td>Set 2 + 3</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>BAK-TK2/18</td>
<td>08.10.18</td>
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<tr>
<td>Set 1</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>BAK-TK2/18</td>
<td>08.10.18</td>
<td>07.11.18</td>
<td>08.11.18</td>
<td>21.11.18</td>
</tr>
<tr>
<td>Set 2 + 3</td>
<td></td>
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<td></td>
<td></td>
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</table>

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

<table>
<thead>
<tr>
<th>set 1</th>
<th>180,00 €</th>
</tr>
</thead>
<tbody>
<tr>
<td>set 2 + 3</td>
<td>180,00 €</td>
</tr>
<tr>
<td>set 3</td>
<td>180,00 €</td>
</tr>
<tr>
<td>set 1 + 3</td>
<td>300,00 €</td>
</tr>
<tr>
<td>set 2 + 3</td>
<td>250,00 €</td>
</tr>
<tr>
<td>set 1 + 2 + 3</td>
<td>350,00 €</td>
</tr>
</tbody>
</table>

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
- Due to German postal regulations for infectious material these surveys can not be delivered to participants from outside Germany.
- The registration form for this survey you will find on page 69/70.
### BM Bacteriology Minor

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>survey period from</th>
<th>to</th>
</tr>
</thead>
<tbody>
<tr>
<td>BM1/18</td>
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<td>BM2/18</td>
<td>03.09.18</td>
<td>10.10.18</td>
<td>15.10.18</td>
<td>27.10.18</td>
</tr>
</tbody>
</table>

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

|          | 64,00 €               |

- **Sample material**
  - lyophilized control samples, 3 strains (samples A to C)
- **Investigation target**
  - identification and resistance testing
- **Information**
  - For deliveries abroad additional freight charges will be invoiced possibly. The registration form for this survey you will find on page 69/70.

### B-Stscre B-Streptococci screening

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>survey period from</th>
<th>to</th>
</tr>
</thead>
<tbody>
<tr>
<td>B-Stscre1/18</td>
<td>12.02.18</td>
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<tr>
<td>B-Stscre2/18</td>
<td>06.08.18</td>
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<td>10.09.18</td>
<td>22.09.18</td>
</tr>
</tbody>
</table>

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

|          | 80,00 €               |

- **Sample material**
  - 4 samples, smear tubes
- **Analytes**
  - B-Streptococci screening for cultural evidence and NAT-methods
- **Information**
  - For deliveries abroad additional freight charges will be invoiced possibly. The registration form for this survey you will find on page 69/70.

### ChlamTra Chlamydia trachomatis AG

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>survey period from</th>
<th>to</th>
</tr>
</thead>
<tbody>
<tr>
<td>ChlamTra1/18</td>
<td>12.03.18</td>
<td>25.04.18</td>
<td>30.04.18</td>
<td>12.05.18</td>
</tr>
<tr>
<td>ChlamTra2/18</td>
<td>20.08.18</td>
<td>24.10.18</td>
<td>29.10.18</td>
<td>10.11.18</td>
</tr>
</tbody>
</table>

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

|          | 50,00 €               |

- **Sample material**
  - urine, 4 samples, each 0,5 ml
- **Analytes**
  - Chlamydia trachomatis antigen
- **Information**
  - For deliveries abroad additional freight charges will be invoiced possibly. The registration form for this survey you will find on page 69/70.
### CrypCand Cryptococcus neoformans and candida albicans antigen

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>survey period from</th>
<th>to</th>
</tr>
</thead>
<tbody>
<tr>
<td>CrypCand1/18</td>
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<td>25.04.18</td>
<td>30.04.18</td>
<td>12.05.18</td>
</tr>
<tr>
<td>CrypCand2/18</td>
<td>20.08.18</td>
<td>24.10.18</td>
<td>29.10.18</td>
<td>10.11.18</td>
</tr>
</tbody>
</table>

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

翕 Sample material

翕 Analytes

翕 Information

➤ For deliveries abroad additional freight charges will be invoiced possibly.

The registration form for this survey you will find on page 69/70.

### GP Gram-staining

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>survey period from</th>
<th>to</th>
</tr>
</thead>
<tbody>
<tr>
<td>GP1/18</td>
<td>15.01.18</td>
<td>28.02.18</td>
<td>05.03.18</td>
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<td>GP2/18</td>
<td>09.07.18</td>
<td>22.08.18</td>
<td>27.08.18</td>
<td>08.09.18</td>
</tr>
</tbody>
</table>

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

翕 Sample material

翕 Examination

翕 Information

The registration form for this survey you will find on page 69/70.

### HEV PCR Hepatitis E virus

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>survey period from</th>
<th>to</th>
</tr>
</thead>
<tbody>
<tr>
<td>HEVpcr1/18</td>
<td>29.01.18</td>
<td>14.02.18</td>
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<td>HEVpcr2/18</td>
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<td>13.08.18</td>
<td>25.08.18</td>
</tr>
</tbody>
</table>

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

翕 Sample material

翕 Analytes

翕 Information

For deliveries abroad additional freight charges will be invoiced possibly.

The registration form for this survey you will find on page 69/70.
### Infl-RSV  Influenza and RSV antigen evidence

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>survey period from</th>
<th>to</th>
</tr>
</thead>
<tbody>
<tr>
<td>Infl-RSV1/18</td>
<td>19.03.18</td>
<td>02.05.18</td>
<td>07.05.18</td>
<td>19.05.18</td>
</tr>
<tr>
<td>Infl-RSV2/18</td>
<td>20.08.18</td>
<td>24.10.18</td>
<td>29.10.18</td>
<td>10.11.18</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Fee for each survey inclusive sample material, net prices plus VAT</th>
</tr>
</thead>
<tbody>
<tr>
<td>one analyte</td>
</tr>
<tr>
<td>both analytes</td>
</tr>
<tr>
<td>80,00 €</td>
</tr>
<tr>
<td>130,00 €</td>
</tr>
</tbody>
</table>

- **Sample material**: NaCl-matrix, 4 samples, each 1 ml
- **Analytes**: Analyte 1: Influenza AG  
  Analyte 2: RSV AG
- **Information**: For deliveries abroad additional freight charges will be invoiced possibly.  
The registration form for this survey you will find on page 69/70.

### MRGNscre  MRGN Screening

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>survey period from</th>
<th>to</th>
</tr>
</thead>
<tbody>
<tr>
<td>MRGNscre1/18</td>
<td>12.02.18</td>
<td>14.03.18</td>
<td>19.03.18</td>
<td>31.03.18</td>
</tr>
<tr>
<td>MRGNscre2/18</td>
<td>06.08.18</td>
<td>05.09.18</td>
<td>10.09.18</td>
<td>22.09.18</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Fee for each survey inclusive sample material, net prices plus VAT</th>
</tr>
</thead>
<tbody>
<tr>
<td>each additional set of samples</td>
</tr>
<tr>
<td>120,00 €</td>
</tr>
<tr>
<td>40,00 €</td>
</tr>
</tbody>
</table>

- **Sample material**: 4 samples, smear tubes
- **Analytes**: Culture proof of MRGN  
  Molecular diagnostic proof of Carbapenemases
- **Information**: For deliveries abroad additional freight charges will be invoiced possibly.  
The registration form for this survey you will find on page 69/70.

### MRSAsre  MRSA Screening

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>survey period from</th>
<th>to</th>
</tr>
</thead>
<tbody>
<tr>
<td>MRSAscre1/18</td>
<td>12.03.18</td>
<td>25.04.18</td>
<td>30.04.18</td>
<td>12.05.18</td>
</tr>
<tr>
<td>MRSAscre2/18</td>
<td>20.08.18</td>
<td>24.10.18</td>
<td>29.10.18</td>
<td>10.11.18</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Fee for each survey inclusive sample material, net prices plus VAT</th>
</tr>
</thead>
<tbody>
<tr>
<td>80,00 €</td>
</tr>
</tbody>
</table>

- **Sample material**: 4 samples, smear tubes
- **Analytes**: MRSA Screening for cultural evidence and NAT-methods
- **Information**: For deliveries abroad additional freight charges will be invoiced possibly.  
The registration form for this survey you will find on page 69/70.
MykCult  Cultivation and identification of fungi

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>survey period from</th>
<th>to</th>
</tr>
</thead>
<tbody>
<tr>
<td>MykCult1/18</td>
<td>12.03.18</td>
<td>25.04.18</td>
<td>30.04.18</td>
<td>19.05.18</td>
</tr>
<tr>
<td>MykCult2/18</td>
<td>20.08.18</td>
<td>24.10.18</td>
<td>29.10.18</td>
<td>17.11.18</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>each additional set of samples</th>
</tr>
</thead>
<tbody>
<tr>
<td>45,00 €</td>
</tr>
<tr>
<td>28,00 €</td>
</tr>
</tbody>
</table>

Sample material
4 samples, smear tubes

Analytes
Cultivation and identification of fungi

Information
For deliveries abroad additional freight charges will be invoiced possibly.
The registration form for this survey you will find on page 69/70.

MykIdent  Identification of fungi

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Dispatch date of instruction</th>
<th>survey period from</th>
<th>to</th>
</tr>
</thead>
<tbody>
<tr>
<td>MykIdent1/18</td>
<td>12.03.18</td>
<td>25.04.18</td>
<td>30.04.18</td>
<td>12.05.18</td>
</tr>
<tr>
<td>MykIdent2/18</td>
<td>20.08.18</td>
<td>24.10.18</td>
<td>29.10.18</td>
<td>10.11.18</td>
</tr>
</tbody>
</table>

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

<p>| |</p>
<table>
<thead>
<tr>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>60,00 €</td>
</tr>
</tbody>
</table>

Sample material
virtual microscopy of 2 preparations

Analytes
Identification of fungi

Information
The registration form for this survey you will find on page 69/70.

NoroPCR  Norovirus PCR

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>survey period from</th>
<th>to</th>
</tr>
</thead>
<tbody>
<tr>
<td>NoroPCR1/18</td>
<td>19.02.18</td>
<td>04.04.18</td>
<td>09.04.18</td>
<td>21.04.18</td>
</tr>
<tr>
<td>NoroPCR2/18</td>
<td>27.08.18</td>
<td>10.10.18</td>
<td>15.10.18</td>
<td>27.10.18</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>one set</th>
</tr>
</thead>
<tbody>
<tr>
<td>150,00 €</td>
</tr>
</tbody>
</table>

Sample material
NaCl-matrix, liquid, 4 samples

Analytes
Norovirus RNA

Information
For deliveries abroad additional freight charges will be invoiced possibly.
The registration form for this survey you will find on page 69/70.
### ParasiteB Parasites in blood

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Dispatch date of instruction</th>
<th>survey period from</th>
<th>to</th>
</tr>
</thead>
<tbody>
<tr>
<td>ParasiteB1/18</td>
<td>19.03.18</td>
<td>02.05.18</td>
<td>07.05.18</td>
<td>19.05.18</td>
</tr>
<tr>
<td>ParasiteB2/18</td>
<td>20.08.18</td>
<td>24.10.18</td>
<td>29.10.18</td>
<td>10.11.18</td>
</tr>
</tbody>
</table>

€ Fee for each survey inclusive sample material, net prices plus VAT 60,00 €

➤ Sample material  
virtual microscopy, one or more visual fields of 2 preparations

➤ Analytes  
Parasites in blood

➤ Information  
The registration form for this survey you will find on page 69/70.

### ParasiteS Parasites in stool

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Dispatch date of instruction</th>
<th>survey period from</th>
<th>to</th>
</tr>
</thead>
<tbody>
<tr>
<td>ParasiteS1/18</td>
<td>19.03.18</td>
<td>02.05.18</td>
<td>07.05.18</td>
<td>19.05.18</td>
</tr>
<tr>
<td>ParasiteS2/18</td>
<td>20.08.18</td>
<td>24.10.18</td>
<td>29.10.18</td>
<td>10.11.18</td>
</tr>
</tbody>
</table>

€ Fee for each survey inclusive sample material, net prices plus VAT 60,00 €

➤ Sample material  
virtual microscopy, one or more visual fields of 2 preparations

➤ Analytes  
Parasites in stool

➤ Information  
The registration form for this survey you will find on page 69/70.

### PolyVir1 Genome evidence group 1

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>survey period from</th>
<th>to</th>
</tr>
</thead>
<tbody>
<tr>
<td>PolyVir11/18</td>
<td>12.02.18</td>
<td>15.05.18</td>
<td>22.05.18</td>
<td>02.06.18</td>
</tr>
<tr>
<td>PolyVir12/18</td>
<td>09.07.18</td>
<td>09.10.18</td>
<td>15.10.18</td>
<td>27.10.18</td>
</tr>
</tbody>
</table>

€ Fee for each survey inclusive sample material, net prices plus VAT  
material one set 150,00 € additional set 75,00 €

➤ Sample material  
4 samples of liquid EDTA plasma, each 4 ml

➤ Analytes  
set 1: HAV-RNA qualitative  
set 2: HBV-DNA qualitative and quantitative  
set 3: HCV-RNA qualitative and quantitative  
set 4: HIV1-RNA qualitative and quantitative  
set 5: HIV2-RNA qualitative  
set 6: WNV-RNA qualitative  
set 7: CMV-DNA qualitative and quantitative  
set 8: pvB19-DNA qualitative

➤ Information  
For deliveries abroad additional freight charges will be invoiced possibly.  
The registration form for this survey you will find on page 71/72.
### PolyVir2 Genome evidence group 2

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>survey period from</th>
<th>to</th>
</tr>
</thead>
<tbody>
<tr>
<td>PolyVir21/18</td>
<td>19.03.18</td>
<td>02.05.18</td>
<td>07.05.18</td>
<td>19.05.18</td>
</tr>
<tr>
<td>PolyVir22/18</td>
<td>20.08.18</td>
<td>24.10.18</td>
<td>29.10.18</td>
<td>10.11.18</td>
</tr>
</tbody>
</table>

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

- **Material fee**
  - one analyte: 150,00 €
  - additional analyte: 50,00 €

#### Sample material

4 samples, each 200 µl virus-DNA on NaCl-Matrix

#### Analytes

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

#### Information

For deliveries abroad additional freight charges will be invoiced possibly.
The registration form for this survey you will find on page 71/72.

### ToxoGen Toxoplasma Gondii Genom

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>survey period from</th>
<th>to</th>
</tr>
</thead>
<tbody>
<tr>
<td>ToxoGen1/18</td>
<td>12.03.18</td>
<td>25.04.18</td>
<td>30.04.18</td>
<td>12.05.18</td>
</tr>
<tr>
<td>ToxoGen2/18</td>
<td>20.08.18</td>
<td>24.10.18</td>
<td>29.10.18</td>
<td>10.11.18</td>
</tr>
</tbody>
</table>

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

- 120,00 €
- 40,00 €

#### Sample material

Lyophilized DNA, 4 samples

#### Analytes

Toxoplasma Gondii Genom

#### Information

For deliveries abroad additional freight charges will be invoiced possibly.
The registration form for this survey you will find on page 71/72.
### TubDiag  
**Tuberculosis diagnostic**

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>survey period from</th>
<th>to</th>
</tr>
</thead>
<tbody>
<tr>
<td>TubDiag1/18 Set 1 + 4</td>
<td>24.11.17</td>
<td>24.01.18</td>
<td>29.01.18</td>
<td>02.02.18</td>
</tr>
<tr>
<td>TubDiag1/18 Set 2</td>
<td>24.11.17</td>
<td>24.01.18</td>
<td>29.01.18</td>
<td>16.03.18</td>
</tr>
<tr>
<td>TubDiag1/18 Set 3 + 5</td>
<td>24.11.17</td>
<td>24.01.18</td>
<td>29.01.18</td>
<td>02.03.18</td>
</tr>
<tr>
<td>TubDiag2/18 Set 1 + 4</td>
<td>20.07.18</td>
<td>26.09.18</td>
<td>01.10.18</td>
<td>08.10.18</td>
</tr>
<tr>
<td>TubDiag2/18 Set 2</td>
<td>20.07.18</td>
<td>26.09.18</td>
<td>01.10.18</td>
<td>23.11.18</td>
</tr>
<tr>
<td>TubDiag2/18 Set 3 + 5</td>
<td>20.07.18</td>
<td>26.09.18</td>
<td>01.10.18</td>
<td>05.11.18</td>
</tr>
</tbody>
</table>

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

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

<table>
<thead>
<tr>
<th>set</th>
<th>€</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>45,00</td>
</tr>
<tr>
<td>2</td>
<td>45,00</td>
</tr>
<tr>
<td>3</td>
<td>38,00</td>
</tr>
<tr>
<td>4</td>
<td>61,00</td>
</tr>
<tr>
<td>5</td>
<td>36,00</td>
</tr>
</tbody>
</table>

**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).

**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

**Information**
For deliveries abroad additional freight charges will be invoiced possibly.
The registration form for this survey you will find on page 71/72.

### VREscre  
**VRE Screening**

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>survey period from</th>
<th>to</th>
</tr>
</thead>
<tbody>
<tr>
<td>VREscre1/18</td>
<td>12.02.18</td>
<td>14.03.18</td>
<td>19.03.18</td>
<td>31.03.18</td>
</tr>
<tr>
<td>VREscre2/18</td>
<td>06.08.18</td>
<td>05.09.18</td>
<td>10.09.18</td>
<td>22.09.18</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>each additional set of samples</th>
<th>€</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>120,00</td>
</tr>
</tbody>
</table>

**Sample material**
- 4 samples, smear tubes

**Analytes**
- Cultural proof of VRE
- Molecular diagnostic proof of Van A / Van B

**Information**
For deliveries abroad additional freight charges will be invoiced possibly.
The registration form for this survey you will find on page 71/72.

---

44  
Surveys of the RfB
Ejaculate investigation

**EJ  Semen analysis**

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>survey period from</th>
<th>to</th>
</tr>
</thead>
<tbody>
<tr>
<td>EJ1/18</td>
<td>15.01.18</td>
<td>19.02.18</td>
<td>20.02.18</td>
<td>19.03.18</td>
</tr>
<tr>
<td>EJ2/18</td>
<td>06.08.18</td>
<td>10.09.18</td>
<td>11.09.18</td>
<td>10.10.18</td>
</tr>
</tbody>
</table>

Fee for each survey inclusive sample material, net prices plus VAT 150,00 €

Sample material
Washed and fixed sperm preparation and CD-ROM

Analyte
Estimation of sperm concentration and the assessment of morphologically normal forms. Additionally the 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. This dispatch of the samples and the evaluation is done by QuaDeGa. The registration form for this survey you will find on page 71/72.
Molecular- and cytogenetic investigations

**ctDNA circulating tumor DNA**

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>survey period from</th>
<th>to</th>
</tr>
</thead>
<tbody>
<tr>
<td>ctDNA1/18</td>
<td>29.01.18</td>
<td>27.03.18</td>
<td>03.04.18</td>
<td>28.04.18</td>
</tr>
<tr>
<td>ctDNA2/18</td>
<td>30.07.18</td>
<td>26.09.18</td>
<td>01.10.18</td>
<td>27.10.18</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>material fee</th>
<th>additional set</th>
</tr>
</thead>
<tbody>
<tr>
<td>120,00 €</td>
<td>120,00 €</td>
</tr>
</tbody>
</table>

For multiple orders of your chosen set collection you can also use the application form 6

| Sample material | EDTA-plasma, 3 samples each 2 ml |

<table>
<thead>
<tr>
<th>Analyte</th>
<th>Set A: KRAS C12, C13 (rs121913530, rs121913529, rs121913535, rs112445441, rs121913238, rs121913240, rs17851045)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Set B:</td>
<td>BRAF V600E (rs113488022)</td>
</tr>
<tr>
<td>Set C:</td>
<td>EGFR T790M (rs121434569)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Information</th>
<th>This survey is only available for european participants because of lacking sample stability with expanded shipment period.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>For ordering be aware of the different sets A, B and C.</td>
</tr>
<tr>
<td></td>
<td>For certification, you have to report the concentration and the identification of the determined genotypes.</td>
</tr>
<tr>
<td></td>
<td>The registration form for this survey you will find on page 71/72.</td>
</tr>
</tbody>
</table>

**DI DNA isolation**

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>survey period from</th>
<th>to</th>
</tr>
</thead>
<tbody>
<tr>
<td>DI1/18</td>
<td>29.01.18</td>
<td>07.03.18</td>
<td>12.03.18</td>
<td>31.03.18</td>
</tr>
<tr>
<td>DI2/18</td>
<td>23.07.18</td>
<td>29.08.18</td>
<td>03.09.18</td>
<td>29.09.18</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>each additional pair of samples</th>
<th>58,00 €</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>30,00 €</td>
</tr>
</tbody>
</table>

| Sample material | full blood, K-EDTA, 2 samples each 500 µl |

<table>
<thead>
<tr>
<th>Analyte</th>
<th>DNA isolation and FV genotyping</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>FV genotyping: FV-Leiden (ARG506GLN), FV-H1299R (HIS1299ARG), FV-Cambridge (ARG306THR), FV-Hong-Kong (ARG306GLY), FII g20210a, MTHFR C677T, HFE (H63D, C282Y, S65C)</td>
</tr>
</tbody>
</table>

| Information | Methodological survey: determination of concentration of DNA ratio 260/280 method of identification defined genotypes Results are to be transmitted exclusively by internet www.rfb.bio Make sure that you have an online account! The registration form for this survey you will find on page 71/72. |
MG1  Molecular genetics group 1

<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>survey period from</th>
<th>to</th>
</tr>
</thead>
<tbody>
<tr>
<td>MG11/18</td>
<td>29.01.18</td>
<td>14.03.18</td>
<td>19.03.18</td>
<td>07.04.18</td>
</tr>
<tr>
<td>MG12/18</td>
<td>06.08.18</td>
<td>19.09.18</td>
<td>24.09.18</td>
<td>13.10.18</td>
</tr>
</tbody>
</table>

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

For multiple orders of your chosen set collection you can also use the application form 6.

- Sample material
  DNA preparation, lyophilized

- Analytes
  Set A: FV-Leiden, Prothrombin, MTHFR (C677T, A1298C), PAI-I 4G5G
  Set B: FXIII V34L, GPIIia, βFib (g455a), VKORC1 (G-1639A/C1173T), FXII c46t, FV-H1299R
  Set C: a1 Pl, Apo E, ApoB100, ACE, CETP
  Set D: AldoB (149,174,334), HFE (H63D, C282Y, S65C), LCT c-13910t, NOD2 (R702W, G908R, L1007fins C)
  Set E: M. Wilson (ATP7B-C3207A), FSAP (Marburg-I), ITGA2 Gplalla C807T, Col1A1 SP1, VDR (BsmI/Apal,TaqI)
  Set F: Faktor VII (R353Q), AT3 Cambridge Typ I/II, CYP3A5*3

Information

Results are to be transmitted exclusively by internet www.rfb.bio
Make sure that you have an online account!
The registration form for this survey you will find on page 71/72.
<table>
<thead>
<tr>
<th>Survey</th>
<th>Application deadline</th>
<th>Sample dispatch date</th>
<th>survey period from</th>
<th>to</th>
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€ Fee for each survey inclusive sample material, net prices plus VAT

For multiple orders of your chosen set collection you can also use the application form 6.

Sample material
DNA preparation, lyophilized

Analytes

- **Set A:** TPMT, CYP2C8 (K399R), CYP2C9*2/*3, UGT1A1 (*28), DPYD *2A (Ex 14 skipp), BCHE A/K, DPYD*13, DPYD D949V (rs67376798)
- **Set B:** K-Ras: Codon 12/13/61, BRAF V600E, BRAF V600K, cKit D816V
- **Set C:** HLA-B27, TNF alpha (238, 308)
- **Set D:** CYP2D6, CYP2C19 (*2/*17), CYP2C19*3
- **Set E:** HLA B*5701, CYP2B6*6, ABCB1 (MDR1) c.3435C>T, CCR5-del-32bp
- **Set F:** IL28B (C/T Polymorphismus), IL6 (G174C), CYP3A4*22

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

Results are to be transmitted exclusively by internet [www.rfb.bio](http://www.rfb.bio)
Make sure that you have an online account!
The registration form for this survey you will find on page 71/72.

Information
The following analytes are offered by our cooperation-partner European Molecular Genetics Quality Network (EMQN): (see attached flyer)

- 8 Hereditary hemochromatosis (genotyping and interpretation)
- 17 Cystic fibrosis, mucoviscidosis
- 18 Familial breast-/ovarial- cancer (BRCA)
- 19 21-hydroxylase deficiency (Congenital adrenal hyperplasia)
- 20 Duchenne and Becker muscular dystrophy
- 21 Fragile X Syndrome
- 22 Hereditary auditory disorder
- 23 Hereditary nonpolyposis colon cancer
- 24 Huntington’s disease
- 25 Prader-Willi and Angelman syndromes
- 26 Spinal Muscular Atrophy
- 28 Y chromosome microdeletions
## DNA Sequencing

<table>
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<th>Survey period from</th>
<th>Survey period to</th>
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</tbody>
</table>

€ Fee for each survey inclusive sample material, net prices plus VAT
- Each survey: 124,00 €
- Each additional pair of samples: 42,00 €

- **Sample material**
  - DNA-preparation, lyophilized

- **Analytes**
  - DNA sequencing and corresponding diagnostic interpretation

- **Information**
  - Results are to be transmitted exclusively by internet [www.rfb.bio](http://www.rfb.bio)
  - Make sure that you have an online account!
  - The registration form for this survey you will find on page 71/72.
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Zbinden, Prof. Dr. R. Institut für Medizinische Mikrobiologie, Zürich, Schweiz
Conditions of participation

(as of January 1, 2018)

1. Participation:
   Everyone who carries out laboratory tests can participate in surveys for the Reference Institute of Bioanalytics (subsequently referred to as: RfB). The following conditions for participation therefore apply.
   (For consumers individual stipulations and legal provisions apply).

2. Conclusion of the contractual relationship:
   The contractual relationship between the participant and the RfB is concluded by application and only under these participation conditions.

3. Application
   Application must be made in writing or online (for registered users) and must be received in good time before the start of the survey. Confirmations of application will only be issued upon request.

4. Content of the contractual relationship (yearly order, subscription):
   The participant may choose to apply for participation in individual surveys in one calendar year (Contract Type B), or in one or more surveys to be repeated each calendar year over an unspecified period (Contract Type A, subscription).

When application is for participation in surveys to be repeated each calendar year (Contract Type A), a contract for an unspecified period will be concluded by the application. Termination of this contract requires written notice.

5. Timetable:
   The participant will receive a timetable before the start of each calendar year from the RfB. This timetable contains periods and dates which are binding for the participant in relation to the surveys.

6. Withdrawal and cancellation
   The participant is free to withdraw from his/her participation in a survey until the respective application deadline given in the timetable. If the participant has applied to participate in several surveys, s/he may only withdraw from his/her participation in individual surveys. If there is a subscription to surveys (Contract Type A), the participant may cancel this completely or for individual surveys.

7. Non-performance of announced surveys:
   The RfB retains the right not to carry out announced surveys, or to postpone them until a later date. The participants concerned will be informed of this with an appropriate period of notice. The RfB will only refrain from the announced performance for practical reasons, in particular, in the instance of new surveys when the number of registered participants is too low.

8. Evaluation:
   The RfB evaluates the study results obtained by the participant in the context of a survey, provided that these are transmitted to the RfB within the period specified in the timetable. The participant bears the risk of loss or delay for the dispatch of the data. The participant has no entitlement to the evaluation of measurement values received late by the RfB.

   Certificates will be issued for measurements assessed by us. The period of validity of the certificates is regulated by the guidelines of the German Medical Board, respectively corresponds to these guidelines and is valid from the date of issue.

9. Guarantee
   9.1 The participant undertakes to test the samples after receiving them for any obvious defects, and to inform the RfB immediately if any defects are determined.
   The RfB is entitled to elect its own supplementary performance, which may be by repair or by subsequent delivery.

   These conditions apply both to the dispatch of samples and to the evaluation of the study results.

   9.2 The RfB assumes no responsibility for injuries of any kind – in the existence of other conditions of entitlement – except in the event of intended and/or gross negligence. Furthermore, liability for compensation is excluded for injuries of any kind, no matter upon what basis a claim may be made, including liability for default on conclusion of the contract.

   Impairments, which in individual cases result from postal dispatch, in particular the loss of sample shipments, will be remedied by the RfB to the best of its abilities, without the acknowledgement of any claims, by the dispatch of replacement samples. However, the contract is considered fulfilled with the initial dispatch mailing date.

10. Fees:
    By concluding the contractual relationship with the RfB, the participant undertakes to pay the participation fees listed respectively by the RfB in the publication of its annual timetable.

11. Confidentiality:
    Individual survey data will be handled confidentially. The provisions for data protection will be observed.

12. Place of performance and court of jurisdiction:
    Place of performance and court of jurisdiction is Bonn.
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web-based assessment 35
website 5
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white cells 24
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Z
zinc 20
ZL 24, 35
ZY 24
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How to order surveys / fees / invoice / notes

➤ Contract type

➤ Contract type A - subscription
You will receive all surveys which you marked on the order sheet.
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
You will receive all surveys which you marked on the order sheet.
If you choose contract type B you will get the ordered surveys and nothing else.
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).
The application sheets are attached in this brochure. Please mark the survey desired in the appropriate spaces and submit promptly.
Participants from Europe with the exception of Germany are requested to specify their VAT (value added tax) number.

➤ 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 time table for the next year you will receive an overview of the surveys you already have ordered. This overview should also be used for an order confirmation or changes in your orders.

➤ Fees and invoice
Net prices plus VAT. Costs for shipment with normal letter post are included. If the shipping conditions of the Deutsche Post should change for letters, a corresponding price adjustment is possible.
The fees for each survey are given on the following pages.

Please fill out the application forms and send them to the preprinted address.

Invoicing takes place after the interlaboratory tests have been carried out. Payments may only be made by bank transfer or direct debit.

➤ Notes:
Some parts of the survey (packing / data transfer) can from time to time be subcontracted. When subcontracting occurs, it is placed with a competent subcontractor and the proficiency testing provider is responsible for this work.

Parts of survey evaluations may be used for publications making note of the origin.
Reference Institute for Bioanalytics
Office
Friesdorfer Straße 153
53175 Bonn
GERMANY

Alteration of contact information

Delivery address
Institute:
Name:
Street:
City:
Country:
Telephone:
Telefax:
E-mail:
Order confirmation no:
VAT:
Contact person:
Registration as online user □ (requires e-mail address)

Invoice Address if different from delivery address
Institute:
Name:
Street:
City:
Telephone:
Telefax:

Your comment

Date    Signature
Application form for Thrombophilia screening 2018

Reference Institute for Bioanalytics
Office
Friesdorfer Straße 153
53175 Bonn
GERMANY

Thrombophilia screening 2018
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.

Delivery address
Institute:
Name:
Street:
City:
Country:
Telephone:
Telefax:
E-mail:
Order confirmation no:
VAT:
Contact person:

Registration as online user (requires e-mail address)

Invoice address if different from delivery address
Institute:
Name:
Street:
City:
Telephone:
Telefax:

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

Date    Signature

The participation fees are specified in the current annual survey plan.
We can not accept cancellations during the annual programme.

### Annual subscription fee

<table>
<thead>
<tr>
<th></th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>result submission via Internet / report internet</td>
<td>87,50 €</td>
</tr>
<tr>
<td>2</td>
<td>result submission via Internet / report internet + post</td>
<td>137,50 €</td>
</tr>
</tbody>
</table>

### Analytes four times yearly: TH1/18, TH2/18, TH3/18, TH4/18

<table>
<thead>
<tr>
<th></th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Thrombophilia module I &lt;br&gt;Includes an annual report on the long-time evaluation of test results &lt;br&gt;  Antithrombin (activity and antigen) &lt;br&gt;  Protein C (activity [chromogenic and clotting] and antigen) &lt;br&gt;  Protein S activity &lt;br&gt;  Protein S antigen (free and total)</td>
<td>355,00 €</td>
</tr>
<tr>
<td>2</td>
<td>Thrombophilia module II (APC resistance)</td>
<td>137,50 €</td>
</tr>
<tr>
<td>3</td>
<td>Lupus Anticoagulant / Antiphospholipide Antibodies</td>
<td>137,50 €</td>
</tr>
<tr>
<td>4</td>
<td>Von Willebrand Factor Module &lt;br&gt; (antigen, activity, collagen binding, multimers, Factor VIII)</td>
<td>125,50 €</td>
</tr>
<tr>
<td>5</td>
<td>ADAMTS-13 - I (activity and antigen)</td>
<td>162,50 €</td>
</tr>
<tr>
<td>6</td>
<td>Factor XIII (activity and antigen)</td>
<td>125,50 €</td>
</tr>
<tr>
<td>7</td>
<td>Fibrinolysis parameters I (Plasminogen, Antiplasmin)</td>
<td>125,50 €</td>
</tr>
<tr>
<td>8</td>
<td>Fibrinolysis parameters II (t-PA, PAI-1)</td>
<td>125,50 €</td>
</tr>
<tr>
<td>9</td>
<td>Unfractionated Heparin Monitoring (anti-Xa)</td>
<td>116,50 €</td>
</tr>
<tr>
<td>A</td>
<td>Low-Molecular Weight Heparin Monitoring (anti-Xa)</td>
<td>116,50 €</td>
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</tbody>
</table>

### Analytes two times yearly:

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<tr>
<th></th>
<th>Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>B</td>
<td>Factor VIII Inhibitor (TH2/18 + TH4/18)</td>
<td>142,50 €</td>
</tr>
<tr>
<td>C</td>
<td>Thrombin Generation Test (TH2/18 + TH4/18)</td>
<td>135,00 €</td>
</tr>
<tr>
<td>D</td>
<td>ADAMTS-13 - II (inhibitor) (TH2/18 + TH4/18)</td>
<td>85,00 €</td>
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</tbody>
</table>

### Analytes one time yearly:

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<tr>
<th></th>
<th>Description</th>
<th>Price</th>
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</thead>
<tbody>
<tr>
<td>E</td>
<td>Factor IX Inhibitor (TH1/18 + TH3/18)</td>
<td>142,50 €</td>
</tr>
<tr>
<td>F</td>
<td>HIT - I Immunological assays (TH3/18)</td>
<td>85,00 €</td>
</tr>
</tbody>
</table>
Application form 1

Dear participant,

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

Delivery address

Institute: 

Name: 

Street: 

City: 

Country: 

Telephone: 

Telefax: 

E-Mail: 

Order confirmation no: 

VAT: 

Contact person: 

Registration as online user (requires e-mail address) 

Invoice Address if different from delivery address

Institute: 

Name: 

Street: 

City: 

Telephone: 

Telefax: 

Your comment

In accordance with the participation conditions I hereby declare my participation in the ordered surveys. (Participation conditions see page 51, contract type see page 56)
# Application form 1

## Quantitative determinations

### Automatic differential count

- AD1: additional samples
- AD2: additional samples
- AD3: additional samples
- AD4: additional samples

## Therapeutic drug monitoring

### AD1

- set 1
- set 2
- set 3

### AD2

- set 1
- set 2
- set 3

### AD3

- set 1
- set 2
- set 3

### AD4

- set 1
- set 2
- set 3

## Immunosuppressives

### CS1

- set 1
- set 2
- additional sets

### CS2

- set 1
- set 2
- additional sets

## D-Dimer

### DD1

- additional samples

### DD2

- additional samples

### DD3

- additional samples

### DD4

- additional samples

## CD Transferrin

### DT1

- additional samples

### DT2

- additional samples

## Ethylglucuronide

### EG1

- additional samples

### EG2

- additional samples

## Ethanol

### ET1

- additional samples

### ET2

- additional samples

### ET3

- additional samples

### ET4

- additional samples

## Glycated hemoglobin

### GH1

- additional samples

### GH2

- additional samples

### GH3

- additional samples

### GH4

- additional samples

## Glucose („wet“, „POCT/dry chem.“)

### GL1

- additional samples

### GL2

- additional samples

### GL3

- additional samples

### GL4

- additional samples

## Coagulation

### GR1

- additional samples

### GR2

- additional samples

### GR3

- additional samples

### GR4

- additional samples

## Hematology - Full blood count

### HA1

- additional samples

### HA2

- additional samples

### HA3

- additional samples

### HA4

- additional samples
Dear participant,

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

**Delivery address**

Institute:  
Name:  
Street:  
City:  
Country:  
Telephone:  
Telefax:  
E-Mail:  
Order confirmation no:  
VAT:  
Contact person:  
Registration as online user [ ] (requires e-mail address)  

**Invoice Address if different from delivery address**

Institute:  
Name:  
Street:  
City:  
Telephone:  
Telefax:  

Your comment

In accordance with the participation conditions I hereby declare my participation in the ordered surveys. (Participation conditions see page 51, contract type see page 56)

Date __________________________ Signature __________________________
### Newborn Screening

<table>
<thead>
<tr>
<th>Test</th>
<th>Subscription</th>
<th>Yearly Order</th>
<th>Additional Samples</th>
</tr>
</thead>
<tbody>
<tr>
<td>NBS1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NBS2</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>NBS3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NBS4</td>
<td></td>
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</tbody>
</table>

### Hemoglobin Derivates

<table>
<thead>
<tr>
<th>Test</th>
<th>Subscription</th>
<th>Yearly Order</th>
<th>Additional Samples</th>
</tr>
</thead>
<tbody>
<tr>
<td>OH1</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>OH2</td>
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<td></td>
<td></td>
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<tr>
<td>OH3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OH4</td>
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</table>

### Bone Metabolism

<table>
<thead>
<tr>
<th>Test</th>
<th>Subscription</th>
<th>Yearly Order</th>
<th>Additional Samples</th>
</tr>
</thead>
<tbody>
<tr>
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<tr>
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<td>PH1</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>PH2</td>
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</tbody>
</table>

### Photometer Control

<table>
<thead>
<tr>
<th>Test</th>
<th>Subscription</th>
<th>Yearly Order</th>
<th>Additional Samples</th>
</tr>
</thead>
<tbody>
<tr>
<td>RF1</td>
<td>set 1</td>
<td>set 2</td>
<td></td>
</tr>
<tr>
<td>RF2</td>
<td>set 1</td>
<td>set 2</td>
<td></td>
</tr>
<tr>
<td>RF3</td>
<td>set 1</td>
<td>set 2</td>
<td></td>
</tr>
<tr>
<td>RF4</td>
<td>set 1</td>
<td>set 2</td>
<td></td>
</tr>
</tbody>
</table>

### RHEUMATOID FACTORS

<table>
<thead>
<tr>
<th>Test</th>
<th>Subscription</th>
<th>Yearly Order</th>
<th>Additional Sets</th>
</tr>
</thead>
<tbody>
<tr>
<td>RF1</td>
<td>set 1</td>
<td>set 2</td>
<td>Additional sets</td>
</tr>
<tr>
<td>RF2</td>
<td>set 1</td>
<td>set 2</td>
<td>Additional sets</td>
</tr>
<tr>
<td>RF3</td>
<td>set 1</td>
<td>set 2</td>
<td>Additional sets</td>
</tr>
<tr>
<td>RF4</td>
<td>set 1</td>
<td>set 2</td>
<td>Additional sets</td>
</tr>
</tbody>
</table>

### Thyroid Antibodies

<table>
<thead>
<tr>
<th>Test</th>
<th>Subscription</th>
<th>Yearly Order</th>
<th>Additional Samples</th>
</tr>
</thead>
<tbody>
<tr>
<td>SA1</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>SA2</td>
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</table>

### Pregnancy Diagnostic

<table>
<thead>
<tr>
<th>Test</th>
<th>Subscription</th>
<th>Yearly Order</th>
<th>Additional Sets</th>
</tr>
</thead>
<tbody>
<tr>
<td>SD1</td>
<td>set 1</td>
<td>set 2</td>
<td>Additional sets</td>
</tr>
<tr>
<td>SD2</td>
<td>set 1</td>
<td>set 2</td>
<td>Additional sets</td>
</tr>
<tr>
<td>SD3</td>
<td>set 1</td>
<td>set 2</td>
<td>Additional sets</td>
</tr>
<tr>
<td>SD4</td>
<td>set 1</td>
<td>set 2</td>
<td>Additional sets</td>
</tr>
</tbody>
</table>
Dear participant,

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

Delivery address
Institute:

Name:
Street:
City:
Country:
Telephone:
Telefax:
E-Mail:
Order confirmation no:
VAT:
Contact person:
Registration as online user □ (requires e-mail address)

Invoice Address if different from delivery address
Institute:
Name:
Street:
City:
Telephone:
Telefax:

Your comment

In accordance with the participation conditions I hereby declare my participation in the ordered surveys. (Participation conditions see page 51, contract type see page 56)

Date
Signature
<table>
<thead>
<tr>
<th>Trace elements in urine</th>
<th>p. 20</th>
</tr>
</thead>
<tbody>
<tr>
<td>SP1</td>
<td></td>
</tr>
<tr>
<td>SP2</td>
<td></td>
</tr>
<tr>
<td>Saliva diagnostic</td>
<td>p. 20</td>
</tr>
<tr>
<td>SV1</td>
<td></td>
</tr>
<tr>
<td>SV2</td>
<td></td>
</tr>
<tr>
<td>Thrombophilia screening</td>
<td>p. 21</td>
</tr>
<tr>
<td>Tumor markers</td>
<td>p. 22</td>
</tr>
<tr>
<td>TM1</td>
<td></td>
</tr>
<tr>
<td>TM2</td>
<td></td>
</tr>
<tr>
<td>Clinical chemical analytes in serum</td>
<td></td>
</tr>
<tr>
<td>„dry chemistry“</td>
<td>p. 22</td>
</tr>
<tr>
<td>TR1</td>
<td></td>
</tr>
<tr>
<td>TR2</td>
<td></td>
</tr>
<tr>
<td>Vitamins and analgesics</td>
<td>p. 23</td>
</tr>
<tr>
<td>VT1</td>
<td></td>
</tr>
<tr>
<td>VT2</td>
<td></td>
</tr>
<tr>
<td>Cell count in CSF</td>
<td>p. 24</td>
</tr>
<tr>
<td>ZL1</td>
<td></td>
</tr>
<tr>
<td>ZL2</td>
<td></td>
</tr>
<tr>
<td>Cytokines</td>
<td>p. 24</td>
</tr>
<tr>
<td>ZY1</td>
<td></td>
</tr>
<tr>
<td>ZY2</td>
<td></td>
</tr>
<tr>
<td>Qualitative determinations</td>
<td></td>
</tr>
<tr>
<td>Antinuclear antibodies</td>
<td>p. 25</td>
</tr>
<tr>
<td>AI1</td>
<td></td>
</tr>
<tr>
<td>AI2</td>
<td></td>
</tr>
</tbody>
</table>

---

**Application form 3**

**New client**

**Allergology**

<table>
<thead>
<tr>
<th>AL1</th>
<th>set 1</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>set 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Anti-Borrelia burgdorferi**

<table>
<thead>
<tr>
<th>BorrBimm 1</th>
<th>1 set</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BorrBimm 2</td>
<td>1 set</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**CMVimm CMV Serology**

<table>
<thead>
<tr>
<th>CMVimm 1</th>
<th>1 set</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
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<td>CMVimm 2</td>
<td>1 set</td>
<td></td>
</tr>
<tr>
<td></td>
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<td></td>
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</tbody>
</table>

**Hematology - Differential blood count**

<table>
<thead>
<tr>
<th>DF1</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>DF2</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>DF3</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>DF4</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Drug screening in urine**

<table>
<thead>
<tr>
<th>DS1</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>DS2</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>DS3</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>DS4</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**EBVimm Epstein-Barr-Virus serology**

<table>
<thead>
<tr>
<th>EBVimm 1</th>
<th>1 set</th>
<th></th>
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</thead>
<tbody>
<tr>
<td></td>
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<tr>
<td>EBVimm 2</td>
<td>1 set</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
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</table>

**HAVimm HAV Serology**

<table>
<thead>
<tr>
<th>HAVimm 1</th>
<th>1 set</th>
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<tr>
<td>HAVimm 2</td>
<td>1 set</td>
<td></td>
</tr>
<tr>
<td></td>
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</tbody>
</table>

**HBVimm1 Serology Minor**

<table>
<thead>
<tr>
<th>HBVimm1 1</th>
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<th></th>
</tr>
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<td>1 set</td>
<td></td>
</tr>
<tr>
<td></td>
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</tbody>
</table>

**HBVimm2 HBV Serology Major**

<table>
<thead>
<tr>
<th>HBVimm2 1</th>
<th>1 set</th>
<th></th>
</tr>
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<tbody>
<tr>
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<tr>
<td>HBVimm2 2</td>
<td>1 set</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**HCVimm HCV Serology**

<table>
<thead>
<tr>
<th>HCVimm 1</th>
<th>1 set</th>
<th></th>
</tr>
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<tbody>
<tr>
<td></td>
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<td></td>
</tr>
<tr>
<td>HCVimm 2</td>
<td>1 set</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Reference Institute for Bioanalytics
Office
Friesdorfer Straße 153
53175 Bonn
GERMANY

Application form 4

Dear participant,

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

Delivery address

Institute:

Name: _____________________________________________________________
Street: ____________________________________________________________
City: _____________________________________________________________
Country: __________________________________________________________
Telephone: ________________________________________________________
Telefax: __________________________________________________________
E-mail: __________________________________________________________
Order confirmation no: _____________________________________________
VAT: _____________________________________________________________
Contact person: ____________________________________________________
Registration as online user □ (requires e-mail address)

Invoice Address if different from delivery address

Institute:
Name: _____________________________________________________________
Street: ____________________________________________________________
City: _____________________________________________________________
Telephone: ________________________________________________________
Telefax: __________________________________________________________

Your comment

______________________________________________________________

In accordance with the participation conditions I hereby declare my participation in the ordered surveys. (Participation conditions see page 51, contract type see page 56)

Date __________________________ Signature __________________________
Application form 4

HerpVimm Herpes viruses serology  p. 29
subscription □ yearly order □

HerpVimm1 set 1 □
set 2 □ additional sets

HerpVimm2 set 1 □
set 2 □ additional sets

HIVimm HIV Serology  p. 29
subscription □ yearly order □

HIVimm 1 1 set □ additional sets
HIVimm 2 1 set □ additional sets

Urinary calculus  p. 30
subscription □ yearly order □

HS1 □ additional samples
HS2 □ additional samples

HTLVimm Human T-lymphotropic virus  p. 30
subscription □ yearly order □

HTLVimm 1 1 set □ additional sets
HTLVimm 2 1 set □ additional sets

Immunohematology automated  p. 30
subscription □ yearly order □

IA1 □ additional samples
IA2 □ additional samples
IA3 □ additional samples
IA4 □ additional samples

Immunohematology Major  p. 31
subscription □ yearly order □

IH1 □ additional samples
IH2 □ additional samples
IH3 □ additional samples
IH4 □ additional samples

Immunohematology Minor  p. 31
subscription □ yearly order □

IM1 □ additional samples
IM2 □ additional samples
IM3 □ additional samples
IM4 □ additional samples

Clin. chem. analytes in urine, qualitative  p. 31
subscription □ yearly order □

KUST1 □ additional samples
KUST2 □ additional samples
KUST3 □ additional samples
KUST4 □ additional samples

MaMulImm Morbilli and mumps serology  p. 32
subscription □ yearly order □

MaMulImm1 set 1 □
set 2 □ additional sets

MaMulImm2 set 1 □
set 2 □ additional sets

Oligoclonal bands in CSF  p. 32
subscription □ yearly order □

OB1 □ additional samples
OB2 □ additional samples

pvB19imm Parvovirus B19 Serology  p. 33
subscription □ yearly order □
pvB19imm 1 1 set □ additional sets
pvB19imm 2 1 set □ additional sets

Anti-Rubella-Virus  p. 33
subscription □ yearly order □
RoetLimm 1 1 set □ additional sets
RoetLimm 2 1 set □ additional sets

Systematic toxicologic analysis  p. 33
subscription □ yearly order □
SX1 □ additional samples
SX2 □ additional samples

Anti-Toxoplasma gondii  p. 34
subscription □ yearly order □
ToxoGimm 1 1 set □ additional sets
ToxoGimm 2 1 set □ additional sets

Anti-Treponema pallidum  p. 34
subscription □ yearly order □
TrepPimm 1 1 set □ additional sets
TrepPimm 2 1 set □ additional sets

Toxicologic analyses  p. 34
subscription □ yearly order □
TX1 □ additional samples
TX2 □ additional samples

Urine sediment  p. 35
subscription □ yearly order □
US1 □
US2 □

VariAimm various immunological analytes  p. 35
subscription □ yearly order □

set 1 □ Please place here
set 2 □ the additional order of your set collection
set 3 □
set 4 □
set 5 □
set 6 □

Cerebrospinal fluid cytology  p. 35
subscription □ yearly order □
ZZ1 □
ZZ2 □
**Application form 5**

Dear participant,

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

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<tbody>
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<td>Contact person:</td>
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<td>Registration as online user</td>
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<th>Invoice Address if different from delivery address</th>
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<td>Telefax:</td>
</tr>
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</table>

Your comment

In accordance with the participation conditions I hereby declare my participation in the ordered surveys. (Participation conditions see page 51, contract type see page 56)
Application form 5

Direct detection of pathogens

Bakteriology Major  
subscription ☐ yearly order ☐  

BA1  ☐  
BA2  ☐  

BakNAT1 - Genome evidence 
subscription ☐ yearly order ☐  

BakNAT1 1  
analyte 1 ☐  analyte 5 ☐  
analyte 2 ☐  analyte 6 ☐  
analyte 3 ☐  analyte 7 ☐  
analyte 4 ☐  analyte 8 ☐  

BakNAT1 - Genome evidence 
subscription ☐ yearly order ☐  

BakNAT1 2  
analyte 1 ☐  analyte 4 ☐  
analyte 2 ☐  analyte 5 ☐  
analyte 3 ☐  analyte 6 ☐  

BakNAT2 - Genome evidence 
subscription ☐ yearly order ☐  

BakNAT2 1  
analyte 1 ☐  analyte 4 ☐  
analyte 2 ☐  analyte 5 ☐  
analyte 3 ☐  analyte 6 ☐  

BakNAT2 - Genome evidence 
subscription ☐ yearly order ☐  

BakNAT2 2  
analyte 1 ☐  analyte 4 ☐  
analyte 2 ☐  analyte 5 ☐  
analyte 3 ☐  analyte 6 ☐  

BAK-TK 
subscription ☐ yearly order ☐  

BAK-TK 1 ☐ Set 1 ☐ Set 2 ☐ Set 3 ☐  
BAK-TK 2 ☐ Set 1 ☐ Set 2 ☐ Set 3 ☐  

Bakteriology Minor  
subscription ☐ yearly order ☐  

BM 1  ☐  
BM 2  ☐  

B-Stscre B-Streptococci screening 
subscription ☐ yearly order ☐  

B-Stscre 1 ☐ additional samples  
B-Stscre 2 ☐ additional samples  

ChlamTra Chlamydia trachomatis AG 
subscription ☐ yearly order ☐  

ChlamTra 1 ☐ additional samples  
ChlamTra 2 ☐ additional samples  

CryptCand Cryptococcus neoformans and Candida albicans antigen 
subscription ☐ yearly order ☐  

CryptCand 1 ☐ additional samples  
CryptCand 2 ☐ additional samples  

Gram-staining p. 39  
subscription ☐ yearly order ☐  

GP1 ☐ additional samples  
GP2 ☐ additional samples  

HEV PCR Hepatitis E virus p. 39 
subscription ☐ yearly order ☐  

HEV 1 1 set ☐ additional sets  
HEV 2 1 set ☐ additional sets  

Infl-RSV - antigen evidence p. 40 
subscription ☐ yearly order ☐  

Infl-RSV 1 ☐ analyte 1 ☐ analyte 2 ☐  
Infl-RSV 2 ☐ analyte 1 ☐ analyte 2 ☐  

MRGN Screening p. 40  
subscription ☐ yearly order ☐  

MRGNscre 1 ☐ additional samples  
MRGNscre 1 ☐ additional samples  

MRSA Screening p. 40  
subscription ☐ yearly order ☐  

MRSAscre 1 ☐ additional samples  
MRSAscre 2 ☐ additional samples  

MykCult - Cultivation and identification of fungi p. 41 
subscription ☐ yearly order ☐  

MykCult 1 ☐ additional samples  
MykCult 2 ☐ additional samples  

MykIdent Identification of fungi p. 41  
subscription ☐ yearly order ☐  

MykIdent 1  
MykIdent 2  

Norovirus PCR p. 41  
subscription ☐ yearly order ☐  

Noro PCR 1 ☐ additional samples  
Noro PCR 2 ☐ additional samples  

ParasitB Parasites in blood p. 42 
subscription ☐ yearly order ☐  

ParasitB 1 ☐ additional samples  
ParasitB 2 ☐ additional samples  

ParasitS Parasites in stool p. 42  
subscription ☐ yearly order ☐  

ParasitS 1 ☐ additional samples  
ParasitS 2 ☐ additional samples  

New client ☐ 
Participant no ☐
Application form 6

Dear participant,

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

Delivery address
Institute:

Name:
Street:
City:
Country:
Telephone:
Telefax:
E-mail:
Order confirmation no:
VAT:
Contact person:
Registration as online user (requires e-mail address)

Invoice Address if different from delivery address
Institute:
Name:
Street:
City:
Telephone:
Telefax:

Your comment

In accordance with the participation conditions I hereby declare my participation in the ordered surveys. (Participation conditions see page 51, contract type see page 56)

Date Signature
## Application form 6

### PolyVir1

**Genome evidence group 1**  
Subscription □  
Yearly order □

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<td>Please place here of your set collection</td>
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### PolyVir2

**Genome evidence group 2**  
Subscription □  
Yearly order □

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### ToxoGen

**Toxoplasma gondii genome**  
Subscription □  
Yearly order □

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### TubDiag

**Tuberculosis diagnostic**  
Subscription □  
Yearly order □

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### VRE Scre

**VRE Screening**  
Subscription □  
Yearly order □

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### Ejakulate investigation

**EJ Semen**  
Subscription □  
Yearly order □

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<td>EJ2</td>
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### Molecular- and cytogenetic investigation

**ctDNA circulating DNA**  
Subscription □  
Yearly order □

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<td>B</td>
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### DNA isolation

**ctDNA**  
Subscription □  
Yearly order □

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<td>Di2</td>
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### Molecular genetics group 1

**MG1**  
Subscription □  
Yearly order □

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### Molecular genetics group 2

**MG2**  
Subscription □  
Yearly order □

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### DNA sequencing

**SQ**  
Subscription □  
Yearly order □

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