

Deutsche Akkreditierungsstelle

Annex to the accreditation certificate D-ML-13347-01-01 according to DIN EN ISO 15189:2024

Valid from: 14.01.2026

Date of issue: 14.01.2026

This certificate annex is part of accreditation certificate D-ML-13347-01-00.

Holder of the accreditation certificate:

**MVZ Labor Ravensburg SE & Co. eGmbH
Elisabethenstraße 11, 88212 Ravensburg**

with the locations

**MVZ Labor Ravensburg SE & Co. eGmbH
Elisabethenstraße 11, 88212 Ravensburg**

**MVZ Labor Ravensburg SE & Co. eGmbH
Marie-Curie-Straße 6, 88400 Biberach an der Riß**

The medical laboratory meets the requirements pursuant to DIN EN ISO 15189:2024 necessary to carry out the conformity assessment activities set out in this annex. The medical laboratory meets, where applicable, additional legal and normative requirements, including those set out in relevant sectoral schemes, provided that these are expressly confirmed below.

The management system requirements of DIN EN ISO 15189 are written in the language relevant to the operations of medical laboratories. Laboratories that conform to the requirements of this standard operate generally in accordance with the principles of DIN EN ISO 9001.

*This certificate annex was issued by Deutsche Akkreditierungsstelle GmbH and is digitally sealed.
It is valid only together with the certificate issued in writing and reflects the status as indicated by the date of issue.
The current status of the valid and monitored accreditation can be found in the database of accredited bodies maintained by Deutsche Akkreditierungsstelle (www.dakks.de)*

This document is a translation.

The definitive version is the original German annex to the accreditation certificate.

Analysis in area:

Medical laboratory diagnostics

Test areas:

Clinical chemistry

Immunology

Human genetics

Microbiology

Virology

Transfusion medicine

Flexible scope of accreditation:

Within the marked test areas and without obtaining prior notification and consent from DAkkS, the medical laboratory is permitted to

[Flex B] Freely select standard test methods or equivalent test methods.

[Flex C] Modify test methods and develop new test methods.

The test methods listed are given by way of an example. The medical laboratory has an up-to-date list of all test methods within the flexible scope of accreditation. The list is publicly available on the medical laboratory's website.

Location: Elisabethenstraße 11, 88212 Ravensburg

Test area: Clinical chemistry

Type of test:

Aggregometry ^[Flex B]

Analyte (measurand)	Test material (matrix)	Test technique
Thrombocyte function	Citrated blood	Thrombocyte aggregation test

Type of test:

Chromatography – Gas chromatography (GC) ^[Flex C]

Analyte (measurand)	Test material (matrix)	Test technique
Omega-3 fatty acids	Serum, plasma, erythrocytes	GC/FID
Omega-6 fatty acids	Serum, plasma, erythrocytes	GC/FID

Type of test:

Chromatography – High performance liquid chromatography, ultra-high performance liquid chromatography (HPLC, UHPLC) ^[Flex C]

Analyte (measurand)	Test material (matrix)	Test technique
5-HIAA (5-Hydroxyindoleacetic acid)	Urine	HPLC/ECD
Alprazolam	Serum, plasma	UPLC/MS-MS
Amiodarone, desethyl amiodarone	Serum, plasma	HPLC/UV/VISD
Amisulpride	Serum, plasma	UPLC/MS-MS
Amitriptyline, nortriptyline	Serum, plasma	UPLC/MS-MS
Aripiprazole, dehydroaripiprazole	Serum, plasma	UPLC/MS-MS
Atomoxetine	Serum, plasma	UPLC/MS-MS
Benperidol	Serum, plasma	UPLC/MS-MS
Brivaracetam	Serum, plasma	UPLC/MS-MS
Bromazepam	Serum, plasma	UPLC/MS-MS
Bupropion	Serum, plasma, urine	UPLC/MS-MS
Carbamazepine epoxide	Serum, plasma	UPLC/MS-MS
CDT (carbohydrate deficient transferrin)	Serum	HPLC/UV/VISD
Chlordiaepoxide	Serum, plasma	UPLC/MS-MS
Chloroquine, hydroxychloroquine	Serum, plasma	UPLC/MS-MS
Chlorprothixenes	Serum, plasma	UPLC/MS-MS
Citalopram, desmethylcitalopram	Serum, plasma	UPLC/MS-MS
Citrulline	Urine	UPLC/MS-MS
Clobazam, norclobazam	Serum, plasma	UPLC/MS-MS
Clomipramine, desmethylclomipramine	Serum, plasma	UPLC/MS-MS
Clonazepam	Serum, plasma	UPLC/MS-MS
Clozapine, desmethylclozapine	Serum, plasma	UPLC/MS-MS
Coenzyme Q10 (ubiquinone)	Serum, plasma	HPLC/ECD
Caffeine	Serum, plasma	UPLC/PDA

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Analyte (measurand)	Test material (matrix)	Test technique
Demozepam	Serum, plasma	UPLC/MS-MS
Desipramine	Serum, plasma	UPLC/MS-MS
Diazepam, nordiazepam	Serum, plasma	UPLC/MS-MS
Doxepin, nordoxepin	Serum, plasma	UPLC/MS-MS
Drugs	Saliva	UPLC/MS-MS
Drug confirmation	Urine	UPLC/MS-MS
Duloxetine	Serum, plasma	UPLC/MS-MS
Escitalopram	Serum, plasma	UPLC/MS-MS
Ethosuximide	Serum, plasma	UPLC/MS-MS
Ethosuximide	Serum, plasma	UPLC/PDA
Ethyl glucuronide (confirmation)	Urine	UPLC/MS-MS
Everolimus	EDTA blood	UPLC/MS-MS
Felbamate	Serum, plasma	UPLC/MS-MS
Flecainide	Serum, plasma	UPLC/MS-MS
Flunitrazepam	Serum, plasma	UPLC/MS-MS
Fluoxetine, desmethylfluoxetine	Serum, plasma	UPLC/MS-MS
Flupentixol	Serum, plasma	UPLC/MS-MS
Flurazepam, desalkylflurazepam	Serum, plasma	UPLC/MS-MS
Fluvoxamine	Serum, plasma	UPLC/MS-MS
Gabapentin	Serum, plasma	UPLC/MS-MS
Glutamic acid (glutamate)	Urine	UPLC/MS-MS
Glutathione (GSH), reduced	EDTA, heparin blood	HPLC/FD
Haloperidol	Serum, plasma	UPLC/MS-MS
HbA1c (glycated haemoglobin)	EDTA blood	HPLC/FD
Homovanillic acid (HVS)	Urine	HPLC/ECD
Imipramine	Serum, plasma	UPLC/MS-MS
Catecholamines (adrenaline, noradrenaline, dopamine)	Urine	HPLC/ECD
Lacosamide	Serum, plasma	UPLC/MS-MS
Lamotrigine	Serum, plasma	UPLC/MS-MS
Levetiracetam	Serum, plasma	UPLC/MS-MS
Levomepromazine	Serum, plasma	UPLC/MS-MS
Linezolid	Serum, plasma	HPLC/UV/VISD
Lorazepam	Serum, plasma	UPLC/MS-MS
Lormetazepam	Serum, plasma	UPLC/MS-MS
Maprotiline, normaprotiline	Serum, plasma	UPLC/MS-MS
Medazepam	Serum, plasma	UPLC/MS-MS
Melperone	Serum, plasma	UPLC/MS-MS
Meropenem	Serum, plasma	HPLC/UV/VISD
Metanephrine, normetanephrine 3-methoxytyramine	Serum, plasma	UPLC/MS-MS
Metanephrine, normetanephrine methoxytyramine	Urine	HPLC/ECD
Methylmalonic acid	Serum, plasma, urine	UPLC/MS-MS
Methylphenidate	Serum, plasma	UPLC/MS-MS
Midazolam, 1-OH-Midazolam	Serum, plasma	UPLC/MS-MS
Milnacipran	Serum, plasma	UPLC/MS-MS
Mirtazapine, desmethylmirtazapine	Serum, plasma	UPLC/MS-MS
Moclobemide	Serum, plasma	UPLC/MS-MS

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Analyte (measurand)	Test material (matrix)	Test technique
Mycophenolic acid	Serum, plasma	HPLC/UV/VISD
Nicotinamide (vitamin B3)	Serum	UPLC/MS-MS
Nitrazepam	Serum, plasma	UPLC/MS-MS
Olanzapine, desmethylolanzapine	Serum, plasma	UPLC/MS-MS
Opipramol	Serum, plasma	UPLC/MS-MS
Oxazepam	Serum, plasma	UPLC/MS-MS
Oxcarbazepine	Serum, plasma	UPLC/MS-MS
Paroxetine	Serum, plasma	UPLC/MS-MS
Perampanel	Serum, plasma	UPLC/MS-MS
Perazine	Serum, plasma	UPLC/MS-MS
Phenobarbital	Serum, plasma	UPLC/MS-MS
Phenytoin	Serum, plasma	UPLC/MS-MS
Piperacillin	Serum, plasma	HPLC/UV/VISD
Polyethylene glycols (marker)	Urine	UPLC/MS-MS
Polyethylene glycols	Urine	HPLC/IRD
Posaconazole	Serum, plasma	UPLC/MS-MS
Prazepam	Serum, plasma	UPLC/MS-MS
Pregabalin	Serum, plasma	UPLC/MS-MS
Pregnenolone sulphate	Serum, plasma	UPLC/MS-MS
Primidone	Serum, plasma	UPLC/MS-MS
Promethazine	Serum, plasma	UPLC/MS-MS
Pyridinoline, deoxypyridinoline (crosslinks)	Urine	HPLC/FD
Quetiapine, norquetiapine	Serum, plasma	UPLC/MS-MS
Reboxitine	Serum, plasma	UPLC/MS-MS
Risperidone, 9-OH-risperidone (paliperidone)	Serum, plasma	UPLC/MS-MS
Ritalinic acid	Serum, plasma	UPLC/MS-MS
Rufinamide	Serum, plasma	UPLC/MS-MS
Salicylate	Serum, plasma	UPLC/PDA
Serotonin	Serum, urine	HPLC/ECD
Sertraline	Serum, plasma	UPLC/MS-MS
Sirolimus	EDTA blood	UPLC/MS-MS
Stiripentol	Serum, plasma	UPLC/MS-MS
Sultiame	Serum, plasma	UPLC/MS-MS
Temazepam	Serum, plasma	UPLC/MS-MS
Tetrazepam	Serum, plasma	UPLC/MS-MS
THC-COOH, THC-COOH-glucuronide	Urine	UPLC/MS-MS
Thiopental	Serum, plasma	UPLC/PDA
Tianeptine	Serum, plasma	UPLC/MS-MS
Topiramate	Serum, plasma	UPLC/MS-MS
Tranlycypromine	Serum, plasma	UPLC/MS-MS
Trazodone	Serum, plasma	UPLC/MS-MS
Triazolam	Serum, plasma	UPLC/MS-MS
Trimipramine, nortrimipramine	Serum, plasma	UPLC/MS-MS
Vanillylmandelic acid (VMA)	Urine	HPLC/ECD
Venlafaxine, desmethylvenlafaxine	Serum, plasma	UPLC/MS-MS
Vigabatrin	Serum, plasma	UPLC/MS-MS
Vitamin A (retinol)	Serum, plasma	UPLC/PDA

Analyte (measurand)	Test material (matrix)	Test technique
Vitamin B1 (thiamine pyrophosphate)	EDTA blood	HPLC/FD
Vitamin B2 (FAD)	EDTA blood	HPLC/FD
Vitamin B6 (pyridoxal and pyridoxal-5-phosphate)	EDTA blood, serum, plasma	HPLC/FD
Vitamin C (ascorbic acid)	Serum	HPLC/UV/VISD
Vitamin E (α -Tocopherol)	Serum, plasma	UPLC/PDA
Voriconazole	Serum, plasma	UPLC/MS-MS
Vortioxetine	Serum, plasma	UPLC/MS-MS
Ziprasidone	Serum, plasma	UPLC/MS-MS
Zonisamide	Serum, plasma	UPLC/MS-MS
Zuclopenthixol	Serum, plasma	UPLC/MS-MS
β -Carotene	Serum, plasma	HPLC/ECD

Type of test:

Flow cytometry (including particle property determination) ^[Flex B]

Analyte (measurand)	Test material (matrix)	Test technique
Spherocytosis	EDTA blood	Fluorescence intensity
Thrombocyte receptors	Citrated blood	Fluorescence intensity
Blood count small and large (haemoglobin, haematocrit, erythrocytes, leukocytes, thrombocytes, MCV, MCH, MCHC, machine differential blood count)	EDTA blood	Particle counting, optical-electronic
Leukocytes, erythrocytes	Cerebrospinal fluid	Particle counting, optical-electronic
Reticulocytes	EDTA blood	Particle counting, optical-electronic
Thrombocytes	ThromboExact, citrated blood	Particle counting, optical-electronic
Urine sediment	Urine	Particle counting, optical-electronic
Cell count	Body fluids, blood	Particle counting, optical-electronic

Type of test:

Electrochemical analysis ^[Flex B]

Analyte (measurand)	Test material (matrix)	Test technique
Chloride	Serum, plasma, urine	Potentiometry
Potassium	Serum, plasma, urine	Potentiometry
Sodium	Serum, plasma, urine	Potentiometry

Type of test:

Electrophoresis ^[Flex B]

Analyte (measurand)	Test material (matrix)	Test technique
AP-isoenzymes	Serum	Zone electrophoresis
CK-isoenzymes	Serum	Zone electrophoresis
Proteins	Urine	Zone electrophoresis (SDS-PAGE)
Protein electrophoresis	Serum	Capillary electrophoresis
Haemoglobin electrophoresis	EDTA blood	Capillary electrophoresis

Type of test:

Coagulometry ^[Flex B]

Analyte (measurand)	Test material (matrix)	Test technique
APC resistance	Citrated plasma	Optical detection procedure
Fibrinogen	Citrated plasma	Optical detection procedure
Coagulation factor II	Citrated plasma	Optical detection procedure
Coagulation factor IX	Citrated plasma	Optical detection procedure
Coagulation factor V	Citrated plasma	Optical detection procedure
Coagulation factor VII	Citrated plasma	Optical detection procedure
Coagulation factor VIII	Citrated plasma	Optical detection procedure
Coagulation factor VIII inhibitors	Citrated plasma	Optical detection procedure
Coagulation factor X	Citrated plasma	Optical detection procedure
Coagulation factor XI	Citrated plasma	Optical detection procedure
Coagulation factor XII	Citrated plasma	Optical detection procedure
Lupus anticoagulant	Citrated plasma	Optical detection procedure
Lupus sensitive APTT	Citrated plasma	Optical detection procedure
MixConLA	Citrated plasma	Optical detection procedure
Protein S	Citrated plasma	Optical detection procedure
PTT (partial thromboplastin time)	Citrated plasma	Optical detection procedure
Quick, INR	Citrated plasma	Optical detection procedure
Thrombin time	Citrated plasma	Optical detection procedure

Type of test:

Ligand assays ^[Flex B]

Analyte (measurand)	Test material (matrix)	Test technique
1,25-DiOH vitamin D	Serum, plasma	CLIA
17-beta-estradiol	Serum, plasma	CLIA
17-OH progesterone	Serum, plasma	RIA
ACTH	EDTA plasma	ECLIA
Adiponectin	Serum, plasma	ELISA
AFP (alpha-1-fetoprotein)	Serum, plasma	ECLIA
Aldosterone	Serum, plasma, urine	CLIA
AMH (anti-Müller hormone)	Serum, plasma	ECLIA
Amikacin	Serum, plasma	ELISA
Androstenediol glucuronide	Serum, plasma	RIA
Androstenedione	Serum	RIA

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Analyte (measurand)	Test material (matrix)	Test technique
Anti-heparin/PF4 antibody	Serum, plasma	LFI
BDNF	Serum	ELISA
Beta-2-microglobulin	Serum, cerebrospinal fluid, urine	CLIA
Biotin (vitamin H)	Serum, plasma	ELISA
BNP	Plasma	CLIA
CA 125	Serum, plasma	ECLIA
CA 15-3	Serum, plasma	ECLIA
CA 19-9	Serum, plasma	ECLIA
CA 72-4	Serum, plasma	ECLIA
Calcitonin (HCT)	Serum, plasma	CLIA
Calprotectin	Stool, serum	ELISA
Carbamazepine	Serum, plasma	CLIA
Carbamazepine	Serum, plasma	EMIT
CEA	Serum, plasma	ECLIA
Chromogranin A	Serum	TRACE
Copeptin proAVP (CT-proAVP)	Serum, plasma	TRACE
Cortisol	Serum, urine, saliva	CLIA
Cotinine	Serum, urine	CLIA
C-peptide	Serum	CLIA
CXCL13	Cerebrospinal fluid	ELISA
Cyclosporine	EDTA blood	CMIA
Cyfra 21-1	Serum, plasma	ECLIA
DAO (diamine oxidase)	Serum	ELISA
Dementia markers (beta-amyloid 1-40, beta-amyloid 1-42, tau protein, pTau)	Cerebrospinal fluid	ELISA
DHEA	Serum	ELISA
DHEA-S	Serum, plasma	ECLIA
Digitoxin	Serum, plasma	CLIA
Digoxin	Serum	CLIA
Drug detection (amphetamines, benzodiazepines, cannabis, cocaine metabolite, EDDP (methadone), opiates, barbiturates, LSD)	Urine	CEDIA
ECP (eosinophil cationic protein)	Serum	FEIA
ELF test (HA, PIIINP, TIMP-1)	Serum	CLIA
EPO (erythropoietin)	Serum, plasma	CLIA
Ethyl glucuronide (ETG)	Urine	ELISA
Fentanyl	Urine	ELISA
Ferritin	Serum, plasma	ECLIA
Folic acid	Serum, plasma, hemolysate	ECLIA
Free β HCG	Serum	TRACE
FSH	Serum	CLIA
FT3 (free triiodothyronine)	Serum	CLIA
FT3 (free triiodothyronine)	Serum, plasma	ECLIA
FT4 (free thyroxine)	Serum, plasma	CLIA
FT4 (free thyroxine)	Serum, plasma	ECLIA
GABA (γ -aminobutyric acid)	Urine	ELISA

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Analyte (measurand)	Test material (matrix)	Test technique
Gabapentin	Urine	EMIT
Gastrin	Serum	CLIA
Gentamicin	Serum, plasma	CEDIA
Gentamicin	Serum, plasma	EMIT
Haemoglobin/haptoglobin complex	Stool	ELISA
Haemoglobin	Stool	ELISA
HCG (human chorionic gonadotropin)	Serum, plasma	ECLIA
hGH (STH)	Serum, plasma	CLIA
Histamine	Stool, plasma	ELISA
Holotranscobalamin (active vitamin B12)	Serum	CMIA
Homocysteine	Serum, plasma	CLIA
hPLAP (Human placental alkaline phosphatase)	Serum, plasma	ELISA
IGF-1 (somatomedin C)	Serum	CLIA
IGF-BP3	Serum, plasma	CLIA
Insulin	Serum, plasma	CLIA
Interleukin 6	Serum, plasma	ECLIA
Interleukin-2 receptor	Serum, cerebrospinal fluid	CLIA
Lactoferrin	Stool	ELISA
LH	Serum	CLIA
Melatonin	Saliva	ELISA
Methotrexate (MTX)	Serum, plasma	CMIA
Myoglobin	Serum, plasma	CLIA
NSE	Serum	ECLIA
NT-proBNP	Serum, plasma	ECLIA
Ostase (BAP)	Serum	CLIA
Osteocalcin	Serum	CLIA
Oestrone (oestrone, E1)	Serum, plasma	RIA
Oestrone sulphate (oestrone sulphate, E1-sulphate)	Serum, plasma	RIA
Pancreatic elastase 1	Stool	ELISA
PAPP-A	Serum	TRACE
Paracetamol (acetaminophen)	Serum, plasma	ELISA
Parathyroid hormone (PTH)	Serum, plasma	ECLIA
PCT (procalcitonin)	Serum, plasma	ECLIA
Phenobarbital	Serum, plasma	EMIT
Phenytoin	Serum, plasma	CEDIA
Phenytoin	Serum, plasma	EMIT
PLGF	Serum	ECLIA
Pregabalin	Urine	EMIT
Progesterone	Serum	CLIA
Proinsulin	Serum, plasma	ELISA
Prolactin	Serum	CLIA
PSA	Serum, plasma	ECLIA
PSA, free	Serum, plasma	ECLIA
Renin	Plasma	CLIA
S100 (protein S100)	Serum, cerebrospinal fluid	ECLIA

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Analyte (measurand)	Test material (matrix)	Test technique
SCC	Serum	TRACE
sFlt-1	Serum	ECLIA
SHBG	Serum, plasma	CLIA
Synthetic cannabinoids	Urine	EMIT
T3 (triiodothyronine)	Serum	CLIA
T4 (thyroxine)	Serum	CLIA
Tacrolimus	EDTA blood	CMIA
Testosterone	Serum	CLIA
Theophylline	Serum, plasma	CEDIA
Theophylline	Serum, plasma	EMIT
Thymidine kinase (TK)	Serum, plasma	CLIA
Thyroglobulin sensitive	Serum, plasma	TRACE
Tobramycin	Serum, plasma	CEDIA
TPA (tissue polypeptide antigen)	Serum	CLIA
Tramadol	Urine	ELISA
Troponin I hs	Serum, plasma	CLIA
Troponin T hs	Serum, plasma	ECLIA
Tryptase	Serum, plasma	FEIA
TSH	Serum	CLIA
TSH	Serum, plasma	ECLIA
Tumour M2-PK	Plasma	ELISA
UBC	Urine	ELISA
Valproic acid	Serum, plasma	CLIA
Valproic acid	Serum, plasma	EMIT
Vancomycin	Serum, plasma	EMIT
Vitamin B12	Serum, plasma	ECLIA
Vitamin D (25-OH)	Serum, plasma	ECLIA

Type of test:

Microscopy ^[Flex B]

Analyte (measurand)	Test material (matrix)	Test technique
Differential blood count	EDTA blood	Bright-field microscopy
Iron staining	Cerebrospinal fluid, urine, BAL	Bright-field microscopy
Grease staining	BAL	Bright-field microscopy
Sediment	Urine	Bright-field microscopy
Cell differentiation	Cerebrospinal fluid	Bright-field microscopy
Cells, crystals	Joint puncture specimen	Polarisation microscopy

Type of test:

Osmometry ^[Flex B]

Analyte (measurand)	Test material (matrix)	Test technique
Osmolality	Serum, urine	Cryoscopy

Type of test:

Qualitative analysis (simple) with visual check ^[Flex B]

Analyte (measurand)	Test material (matrix)	Test technique
Drug quick test	Urine	Using reagent carriers
Pregnancy test (HCG)	Urine	Using reagent carriers
Urine status	Urine	Using reagent carriers

Type of test:

Sedimentation tests ^[Flex B]

Analyte (measurand)	Test material (matrix)	Test technique
GSG (erythrocyte sedimentation rate)	EDTA blood	Sedimentation test
GSG (erythrocyte sedimentation rate)	EDTA blood	Flow analysis

Type of test:

Spectrometry – Luminescence spectrometry ^[Flex B]

Analyte (measurand)	Test material (matrix)	Test technique
Antioxidant capacity (ACU, ACW, ACL)	Serum	Chemiluminescence spectrometry

Type of test:

Spectrometry – Mass spectrometry (MS) ^[Flex B]

Analyte (measurand)	Test material (matrix)	Test technique
Aluminium	Serum, plasma, urine	ICP-MS
Arsenic	Urine	ICP-MS
Lead	Blood, urine	ICP-MS
Cadmium	Blood, urine	ICP-MS
Chromium	Serum, plasma, blood, urine	ICP-MS
Gallium	Urine	ICP-MS
Iodine	Serum, plasma, urine	ICP-MS
Cobalt	Serum, plasma, blood, urine	ICP-MS
Copper	Serum, plasma, blood, urine	ICP-MS
Copper, relative interchangeable	Serum, plasma	ICP-MS
Magnesium	Serum, plasma, blood, urine	ICP-MS
Manganese	Serum, plasma, blood, urine	ICP-MS
Nickel	Serum, plasma, blood, urine	ICP-MS
Mercury	Blood, urine	ICP-MS
Selenium	Serum, plasma, blood, urine	ICP-MS
Zinc	Serum, plasma, blood, urine	ICP-MS

Type of test:

Spectrometry – Nephelometry/immunonephelometry ^[Flex B]

Analyte (measurand)	Test material (matrix)	Test technique
Albumin	Serum, plasma, cerebrospinal fluid	Nephelometry
Alpha-1-antitrypsin (AAT)	Serum	Nephelometry
Alpha -1-microglobulin	Urine	Nephelometry
Alpha-2-macroglobulin	Serum, urine	Nephelometry
AST (antistreptolysin O)	Serum, plasma	Nephelometry
Caeruloplasmin	Serum, plasma	Nephelometry
CRP, highly sensitive	Serum, plasma	Nephelometry
Cystatin C	Serum, plasma	Nephelometry
Haptoglobin	Serum, plasma	Nephelometry
Infliximab	Serum	Nephelometry
Soluble transferrin receptor (sTfR)	Serum, plasma	Nephelometry
Transferrin	Urine	Nephelometry

Type of test:

Spectrometry – NIR/IR spectrometry ^[Flex C]

Analyte (measurand)	Test material (matrix)	Test technique
Gallstone	Stone	IR spectrometry
Bladder stone	Stone	IR spectrometry
Kidney stone	Stone	IR spectrometry

Type of test:

Spectrometry – Turbidimetry/immunoturbidimetry ^[Flex B]

Analyte (measurand)	Test material (matrix)	Test technique
Albumin (microalbumin)	Urine	Immunoturbidimetry
Amyloid A (SAA)	Serum	Immunoturbidimetry
(CRP) C-reactive protein	Serum, plasma	Immunoturbidimetry
Digoxin	Serum, plasma	Immunoturbidimetry
Lipoprotein (a)	Serum, plasma	Immunoturbidimetry
Transferrin	Serum, plasma	Immunoturbidimetry
Amikacin	Serum, plasma	Turbidimetry
D-Dimer	Citrated plasma	Turbidimetry
Digitoxin	Serum	Turbidimetry
Coagulation factor XIII	Citrated plasma	Turbidimetry
Protein S free	Citrated plasma	Turbidimetry
Willebrand factor activity	Citrated plasma	Turbidimetry
Willebrand factor antigen	Citrated plasma	Turbidimetry

Type of test:

Spectrometry – UV/VIS spectrometry ^[Flex C]

Analyte (measurand)	Test material (matrix)	Test technique
ACE	Serum, cerebrospinal fluid	UV photometry
Albumin	Serum, plasma	VIS photometry
Alcohol	Serum, plasma	UV photometry
Ammonia	Plasma	UV photometry
Amylase	Serum, plasma, urine	UV photometry
Amylase	Saliva	VIS photometry
AP (alkaline phosphatase)	Serum, plasma	VIS photometry
AT III (antithrombin III)	Citrated plasma	VIS photometry
Bilirubin direct	Serum, plasma	VIS photometry
Bilirubin total	Serum, plasma	VIS photometry
Bilirubin neonatal	Serum	VIS photometry
C1 inhibitor functional	Citrated plasma	VIS photometry
Calcium	Serum, plasma, urine	VIS photometry
Carnitine free	Serum, plasma	VIS photometry
CHE (cholinesterase)	Serum, plasma	UV photometry
CHE atypical (pseudo-CHE)	Serum, plasma	UV photometry
Cholesterol	Serum, plasma	VIS photometry
Citrate	Urine	UV photometry
CK (creatine kinase)	Serum, plasma	UV photometry
CK-MB	Serum, plasma	UV photometry
Iron	Serum, plasma	VIS photometry
Bile acids	Serum	UV photometry
Coagulation factor VIII	Plasma	VIS photometry
Total protein	Serum, plasma, cerebrospinal fluid, urine	VIS photometry
GGT (gamma glutamyl transferase)	Serum, plasma	UV photometry
GHB (γ -hydroxybutyric acid)	Urine	UV photometry
GLDH (glutamate dehydrogenase)	Serum, plasma	UV photometry
Glucose-6-phosphate dehydrogenase	EDTA, heparin blood	UV photometry
Glucose	Serum, plasma, cerebrospinal fluid, urine	UV photometry
Glucose	Urine	VIS photometry
Glutathione peroxidase (GPX)	EDTA, heparin blood	UV photometry
GOT (aspartate aminotransferase)	Serum, plasma	UV photometry
GPT (alanine aminotransferase)	Serum, plasma	UV photometry
Haemoglobin free	Plasma	UV photometry
Uric acid	Serum, plasma, urine	VIS photometry
Urea, urea clearance	Serum, plasma, urine	UV photometry
HDL cholesterol	Serum, plasma	VIS photometry

Analyte (measurand)	Test material (matrix)	Test technique
Heparin Xa	Citrated plasma	VIS photometry
Creatinine, creatinine clearance, GFR	Serum, plasma, urine	VIS photometry
Lactate	Plasma, cerebrospinal fluid	VIS photometry
LDH (lactate dehydrogenase)	Serum, plasma	UV photometry
LDL cholesterol	Serum, plasma	VIS photometry
Lipase	Serum, plasma	VIS photometry
Lipid peroxides	Plasma	VIS photometry
Lithium	Serum, plasma	UV photometry
Magnesium	Serum, plasma	VIS photometry
Oxalate	Urine	VIS photometry
Phosphorus (inorganic)	Serum, plasma, urine	UV photometry
Protein C activity	Citrated plasma	VIS photometry
Ritalinic acid (methylphenidate)	Urine	VIS photometry
Rivaroxaban (anti-Xa)	Citrated plasma	VIS photometry
Sucrose (spit marker)	Urine	VIS photometry
Saliva content	Saliva	VIS photometry
Superoxide dismutase (SOD)	EDTA, heparin blood	VIS photometry
Triglycerides	Serum, plasma	VIS photometry

Test area: Immunology

Type of test:

Flow cytometry ^[Flex B]

Analyte (measurand)	Test material (matrix)	Test technique
Lymphocyte differentiation	EDTA blood, BAL	Fluorescence intensity
Sphercystosis	EDTA blood	Fluorescence intensity
Thrombocyte receptors	EDTA blood	Fluorescence intensity
T-cell immune status	EDTA blood	Fluorescence intensity

Type of test:

Electrophoresis ^[Flex B]

Analyte (measurand)	Test material (matrix)	Test technique
Beta-2-transferrin	Nasal discharge, cerebrospinal fluid	Immunofixation electrophoresis
Immunofixation	Serum, plasma, urine	Immunofixation electrophoresis
Cryoglobulins	Serum	Immunofixation electrophoresis
Oligoclonal IgG	Serum, cerebrospinal fluid	Isoelectric focusing

Type of test:

Ligand assays ^[Flex B]

Analyte (measurand)	Test material (matrix)	Test technique
AAB against acetylcholine receptor	Serum, plasma	IRMA
AAB against AMA-M2	Serum, plasma	FEIA
AAB against beta2-glycoprotein (IgG/IgM)	Serum, plasma	FEIA
AAB against cardiolipin (IgG, IgM)	Serum, plasma	FEIA
AAB against CCP (cyclic citrullinated peptide)	Serum, plasma	FEIA
AAB against centromeres (ENA)	Serum, plasma	ELISA
AAB against DFS70	Serum, plasma	ELISA
AAB against dsDNS	Serum, plasma	ELISA
AAB against fibrillarin	Serum, plasma	FEIA
AAB against GAD (glutamate decarboxylase)	Serum, plasma	ELISA
AAB against gangliosides (MAG, GM1, GM2, GD1a, GD1b, GQ1b)	Serum	ELISA
AAB against gliadin IgG (deaminated)	Serum, plasma	FEIA
AAB against glomerular basement	Serum, plasma	FEIA
AAB against IA2 (tyrosine phosphatase)	Serum, plasma	ELISA
AAB against insulin	Serum	IRMA
AAB against intrinsic factor	Serum, plasma	ELISA
AAB against Jo-1 (ENA)	Serum, plasma	ELISA
AAB against liver antigens (AMA-M2, M2-3E (BPO), LKM-1, LC-1, SLA/LP)	Serum, plasma	Immunoblot
AAB against liver antigens (AMA-M2, M2-3E (BPO), SP100, PML, gp210, LKM-1, LC-1, SLA/LP, Ro52)	Serum, plasma	Immunoblot
AAB against MAG (myelin-associated glycoprotein)	Serum	ELISA
AAB against MCV (mutated citrullinated vimentin)	Serum, plasma	ELISA
AAB against MPO (myeloperoxidase)	Serum, plasma	ELISA
AAB against MuSK	Serum, plasma	ELISA
AAB against neuronal antigens (amphiphysin, CV2/CRMP5, PNMA2 (Ma2/TA), Hu, Yo, Ri)	Serum, plasma	Immunoblot

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AAB against nuclear antigens (ANA) (nRNP/Sm, Sm, SS-A, Ro-52, SS-B, Scl-70, PM-Scl, Jo-1, Cenp B, PCNA, DsDNS, nucleosomen, histones, ribosomal P protein, AMA-M2)	Serum, plasma	Immunoblot
AAB against parietal cells	Serum, plasma	ELISA
AAB against PR3 (proteinase 3)	Serum, plasma	ELISA
AAB against RNP/Sm (ENA)	Serum, plasma	ELISA
AAB against Sm (ENA)	Serum, plasma	ELISA
AAB against SOX1	Serum, plasma	Immunoblot
AAB against SS-A (ENA)	Serum, plasma	ELISA
AAB against SS-B (ENA)	Serum, plasma	ELISA
AAB against Tg (thyroglobulin, TAK)	Serum, plasma	ECLIA
AAB against Titin	Serum, plasma	Immunoblot
AAB against TPO (thyroid peroxidase, MAK)	Serum, plasma	ECLIA
AAB against TRAK (TSH receptor)	Serum	ECLIA
AAB against transglutaminase	Serum, plasma	FEIA
AAB against U1RNP	Serum	FEIA
AB against myositis (Anti-Mi-2 β , Ku, PmScl, PMScl75, Jo-1, SRP, PL 7, PL 12, EJ, OJ, Ro-52)	Serum, plasma	Immunoblot
Allergen-specific IgG	Serum	FEIA
Histamine degradation capacity (THAK)	Serum	ELISA
HIT IgG	Serum, plasma	CLIA
IgE total	Serum, plasma	FEIA
IgE specific (RAST)	Serum, plasma	FEIA
Immune complex IgG (C1q)	Serum	ELISA

Type of test:

Microscopy ^[Flex B]

Analyte (measurand)	Test material (matrix)	Test technique
AAB against AMA (antimitochondrial antibodies)	Serum, plasma	Indirect immunofluorescence microscopy
AAB against ANA (antinuclear antibodies)	Serum, plasma	Indirect immunofluorescence microscopy
AAB against ANCA (c-ANCA, p-ANCA atypical ANCA)	Serum, plasma	Indirect immunofluorescence microscopy
AAB against aquaporin-4	Serum, cerebrospinal fluid	Indirect immunofluorescence microscopy
AAB against dsDNA (Crithidia)	Serum, plasma	Indirect immunofluorescence microscopy

Analyte (measurand)	Test material (matrix)	Test technique
AAB against endomysium	Serum, plasma	Indirect immunofluorescence microscopy
AAB against epidermal basement membrane	Serum	Indirect immunofluorescence microscopy
AAB against heart muscle	Serum	Indirect immunofluorescence microscopy
AAB against Hu (neuron core)	Serum	Indirect immunofluorescence microscopy
AAB against ICA (pancreatic islet cells)	Serum	Indirect immunofluorescence microscopy
AAB against LKM (liver-kidney microsomes)	Serum	Indirect immunofluorescence microscopy
AAB against Saccharomyces cerevisiae (ASCA)	Serum	Indirect immunofluorescence microscopy
AAB against skeletal muscle	Serum	Indirect immunofluorescence microscopy
AAB against SMA (smooth muscle)	Serum, plasma	Indirect immunofluorescence microscopy
AAB against prickle cell desmosomes	Serum	Indirect immunofluorescence microscopy
AAB against Yo (Purkinje cells)	Serum	Indirect immunofluorescence microscopy

Type of test:

Spectrometry – Nephelometry/immunonephelometry ^[Flex B]

Analyte (measurand)	Test material (matrix)	Test technique
ADNase (anti-streptococcal DNase)	Serum	Nephelometry
C1-esterase inhibitor	Serum, plasma	Nephelometry
Immunoglobulin A (IgA)	Serum, plasma, cerebrospinal fluid	Nephelometry
Immunoglobulin G (IgG)	Serum, plasma, cerebrospinal fluid, urine	Nephelometry
Immunoglobulin M (IgM)	Serum, plasma, cerebrospinal fluid	Nephelometry
Kappa light chains	Urine	Nephelometry
Kappa light chains free	Serum, cerebrospinal fluid	Nephelometry
Complement factor C1q	Serum, plasma	Nephelometry
Complement factor C3c	Serum, plasma	Nephelometry
Complement factor C4	Serum, plasma	Nephelometry
Cryoglobulins	Serum	Nephelometry
Lambda light chains	Urine	Nephelometry
Rheumatoid factor	Serum, plasma	Nephelometry

Type of test:

Spectrometry – Turbidimetry/immunoturbidimetry ^[Flex C]

Analyte (measurand)	Test material (matrix)	Test technique
ASL (anti-streptolysin-O)	Serum, plasma	Immunoturbidimetry
CH50 (total haemolytic complement activity)	Serum	Turbidimetry
IgG subclasses (IgG 1,2,3,4)	Serum	Turbidimetry
Immunoglobulin A (IgA)	Serum, plasma	Immunoturbidimetry
Immunoglobulin D (IgD)	Serum	Turbidimetry
Immunoglobulin G (IgG)	Serum, plasma	Immunoturbidimetry
Immunoglobulin M (IgM)	Serum, plasma	Immunoturbidimetry
Light chains (kappa, lambda)	Serum	Turbidimetry

Test area: Human genetics

Type of test:

Molecular biological analysis ^[Flex C]

Analyte (measurand)	Test material (input material; test material)	Test technique
Alpha-1 antitrypsin deficiency (dbSNP rs6647, rs17580, rs28929474)	EDTA, citrated, heparin blood, DNA	PCR, line probe assay
Hereditary fructose intolerance (dbSNP rs1800546, rs76917243, rs78340951)	EDTA, citrated, heparin blood, DNA	PCR, line probe assay
Hereditary hemochromatosis (dbSNP rs1799945, rs1800562)	EDTA, citrated, heparin blood, DNA	SNP, fluorescence marked hybridisation probes (real-time PCR)
Hypercholesterolemia (dbSNP rs429358, rs7412)	EDTA, citrated, heparin blood, DNA	PCR, line probe assay
Hypercholesterolemia (dbSNP rs5742904)	EDTA, citrated, heparin blood, DNA	PCR, line probe assay
Lactose intolerance (dbSNP rs4988235)	EDTA, citrated, heparin blood, DNA	SNP, fluorescence marked hybridisation probes (real-time PCR)
Ankylosing spondylitis: HLA-B27 typing	EDTA blood, DNA	Real-time PCR
MTHFR (C677T rs1801133, A1298C rs1801131)	EDTA, citrated, heparin blood, DNA	PCR, line probe assay
Thrombophilia (dbSNP rs1799963)	EDTA, citrated, heparin blood, DNA	SNP, fluorescence marked hybridisation probes (real-time PCR)
Thrombophilia (dbSNP rs1799963)	EDTA blood; DNA	Real-time PCR
Thrombophilia (dbSNP rs6025)	EDTA, citrated, heparin blood, DNA	SNP, fluorescence marked hybridisation probes (real-time PCR)

Analyte (measurand)	Test material (input material; test material)	Test technique
Thrombophilia (dbSNP rs6025)	EDTA blood, DNA	Real-time PCR
Thrombophilia SERPINE1 (dbSNP rs1799768)	EDTA, citrated, heparin blood, DNA	SNP, fluorescence marked hybridisation probes (real-time PCR)
Celiac disease: Predisposition alleles DQ2, DQ8 and DR4	EDTA, citrated, heparin blood, DNA	Fluorescence marked hybridisation probes (real-time PCR)

Test area: Microbiology

Type of test:

Agglutination tests ^[Flex B]

Analyte (measurand)	Test material (matrix)	Test technique
Antihyaluronidase (AHT)	Serum	Haemagglutination test
Echinococcus granulosus AB	Serum	Haemagglutination test
Lues cardiolipin AB	Serum, plasma	Particle agglutination test
Neisseria meningitidis	Cerebrospinal fluid, blood culture, culture material	Particle agglutination test
Salmonella, Shigella	Culture material	Gruber agglutination
Staphylococci	Culture material	Particle agglutination test
Staphylococcal antibodies (ASTAL/antistaphylolysin)	Serum	Particle agglutination test
Streptococci (group affiliation)	Culture material, cerebrospinal fluid, blood culture	Particle agglutination test

Type of test:

Sensitivity testing ^[Flex B]

Analyte (measurand)	Test material (matrix)	Test technique
Anaerobic bacteria	Culture material	EUCAST gradient test
Challenging aerobic bacteria	Culture material	EUCAST or CLSI gradient test
Mycobacteria	Culture material	Proportion method, liquid culture
Pathogens with special resistances	Culture material	Cultivation on selective solid media, agar diffusion, EUCAST gradient tests, lateral flow tests
Detection of broad-spectrum beta-lactamases (ESBL, AmpC)	Culture material	Agar diffusion

Analyte (measurand)	Test material (matrix)	Test technique
Oxacillin resistance in staphylococci	Culture material	Growth on selective solid medium containing antibiotic
Fast-growing aerobic bacteria	Culture material	EUCAST agar diffusion
Fast-growing aerobic bacteria	Culture material	Broth dilution, turbidity measurement, EUCAST fully automatic
Fast-growing aerobic gram-negative bacteria	Culture material	EUCAST broth dilution
Screening for MRSA, VRE and MRGN	Original material (swabs, stool, urine)	Cultivation on selective solid media
Yeast-like fungi	Culture material	EUCAST gradient test
Yeast-like fungi	Culture material	Broth dilution, turbidity measurement, EUCAST fully automatic

Type of test:

Pathogen differentiation/identification/typing ^[Flex B]

Analyte (measurand)	Test material (matrix)	Test technique
Aerobic germs	Culture material	Simple tests
Aerobic and anaerobic germs	Culture material	MALDI-TOF mass spectrometry
Fungi	Culture material	Morphological
Mycoplasma hominis, Ureaplasma spp.	Swab: Vaginal, urethral, urine, stool, ejaculate newborns: Tracheal secretion	Biochemical
Salmonella, Shigella, Yersinia	Culture material	Biochemical Kligler,-colour test
Fast-growing aerobic germs	Culture material	Biochemical
Yeast-like fungi	Culture material	MALDI-TOF mass spectrometry

Type of test:

Cultural analysis ^[Flex B]

Analyte (measurand)	Test material (matrix)	Test technique
Aerobic germs	Urine	Cultivation on non-selective and selective solid and liquid media Semi-quantitative system
Aerobic bacteria Fungi	Vascular catheter	Cultivation on non-selective solid media Semi-quantitative system
Aerobic and anaerobic bacteria Fungi	Blood Cerebrospinal fluid	Fully mechanised liquid culture cultivation
Aerobic and anaerobic bacteria Fungi	Skin swabs, skin material, material from the upper and lower respiratory tract, wound materials, primarily sterile materials, mucosal swabs	Cultivation on non-selective and selective solid media and liquid media
Actinomycetes and Nocardia	Wound swabs and respiratory secretions	Cultivation on selective solid media
Anaerobic bacteria	Material from lower respiratory tract, wound materials, primarily sterile materials, biopsies	Cultivation on non-selective and selective solid media and liquid media
Campylobacter	Stool	Cultivation on selective solid media
CF-relevant pathogens (cystic fibrosis, mucoviscidosis)	Respiratory tract materials	Cultivation on non-selective and selective solid media and liquid media
Corynebacteria	Throat, nose, wound and genital swab	Cultivation on selective solid media
EHEC	Stool	Cultivation on non-selective and selective solid media and liquid media
EPEC	Stool	Cultivation on non-selective and selective solid media and liquid media
Gardnerella vaginalis	Vaginal and cervical swabs	Cultivation on selective solid media
Helicobacter pylori	Stomach biopsy	Cultivation on selective solid media
Fungi	Skin swabs, skin material, material from the upper and lower respiratory tract, wound materials, primarily sterile materials, stool, urine, mucosal swabs	Cultivation on selective solid media and liquid media
Legionella	Respiratory tract materials	Cultivation on selective solid media

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Analyte (measurand)	Test material (matrix)	Test technique
Listeria	Stool	Cultivation on selective solid media and liquid media
Multi-resistant pathogens	Stool, urine, swab: throat, skin, rectal, anal, groin	Cultivation on selective solid media
Mycoplasma hominis, Ureaplasma spp.	Swab: Vaginal, urethral, urine, stool, ejaculate newborns: Tracheal secretion	Cultivation in selective liquid media
Mycobacteria	Respiratory tract secretions, cerebrospinal fluid, wound materials, primarily sterile materials, biopsies, stool, gastric juice, bone marrow, urine, semen	Cultivation on selective solid media and liquid media Liquid culture fully mechanised
Salmonella, Shigella, Yersinia	Stool	Cultivation on non-selective and selective solid media and liquid media
Streptococci	Skin swabs, material from the upper and lower respiratory tract, wound materials, primarily sterile materials, genital mucosal swabs, materials from newborns	Cultivation on non-selective and selective solid media and liquid media
Vibrio cholerae	Stool	Cultivation on selective solid media and liquid media

Type of test:

Ligand assays ^[Flex B]

Analyte (measurand)	Test material (matrix)	Test technique
Aspergillus fumigatus AB (IgG/IgM)	Serum, plasma	ELISA
Aspergillus antigen	Serum, BAL	ELISA
Bordetella pertussis toxin AB (IgA/IgG)	Serum, plasma	ELISA
Borrelia burgdorferi AB (IgG/IgM)	Serum, plasma, cerebrospinal fluid	CLIA
Borrelia burgdorferi AB (IgG/IgM)	Serum, plasma, cerebrospinal fluid	Immunoblot (Western blot)
Borrelia burgdorferi AB (IgM)	Cerebrospinal fluid	ELISA
Brucella AB (IgG/IgM)	Serum, plasma	ELISA
Campylobacter AB (IgA/IgG)	Serum, plasma	ELISA
Campylobacter antigen	Stool	ELISA
Candida albicans AB (IgA/IgG/IgM)	Serum, plasma	ELISA
Carbapenemase-producing gram-negative bacteria	Culture material	Lateral flow test, immunochromatography
Chlamydia pneumoniae AB (IgA/IgG/IgM)	Serum	ELISA
Chlamydia pneumoniae AB (IgA/IgG/IgM)	Serum, plasma	Immunoblot (Western blot)
Chlamydia psittaci AB (IgA/IgG/IgM)	Serum, plasma	Immunoblot (Western blot)
Chlamydia trachomatis AB (IgA/IgG)	Serum	ELISA

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Analyte (measurand)	Test material (matrix)	Test technique
Chlamydia trachomatis AB (IgA/IgG/IgM)	Serum, plasma	Immunoblot (Western blot)
Clostridioides difficile antigen	Stool	ELISA
Cryptococcus neoformans antigen	Serum, plasma, cerebrospinal fluid	Lateral flow test, immunochromatography
Diphtheria toxin AB (IgG)	Serum, plasma	ELISA
Echinococcus AB (IgG)	Serum, plasma	ELISA
Echinococcus AB (IgG)	Serum, plasma	Immunoblot (Western blot)
Echinococcus multilocularis AB (IgG)	Serum	ELISA
EHEC (verotoxin 1, 2)	Stool	ELISA
Entamoeba histolytica AB (IgG)	Serum, plasma	ELISA
Entamoeba histolytica antigen	Stool	ELISA
Francisella tularensis AB (IgG/IgM)	Serum, plasma	ELISA
Giardia lamblia antigen	Stool	ELISA
Helicobacter pylori AB (IgA/IgG)	Serum, plasma	ELISA
Helicobacter pylori antigen	Stool	ELISA
Legionella pneumophila AB (IgG/IgM)	Serum, plasma	ELISA
Legionella pneumophila antigen	Urine	ELISA
Legionella pneumophila antigen	Urine	FIA
Leishmania spp. antibodies (IgG)	Serum, plasma	ELISA
Leptospira AB (IgG/IgM)	Serum, plasma	ELISA
Plasmodium spp. (malaria pathogen)	EDTA blood	MEIA
MRSA	Culture material	Lateral flow test, immunochromatography
Mycoplasma pneumoniae AB (IgG/IgM)	Serum, plasma	ELISA
Plasmodium ssp. AB (IgG)	Serum, plasma	ELISA
Pneumococci (Streptococcus pneumoniae) antigen	Urine	FIA
Pseudomonas aeruginosa AB (IgG)	Serum	ELISA
Coxiella burnetii AB (Q fever) (IgG/IgM)	Serum, plasma	ELISA
Salmonella enterica AB (Screen/IgA)	Serum	ELISA
Schistosoma mansoni AB (IgG)	Serum, plasma	ELISA
Tetanus toxin AB (IgG)	Serum, plasma	ELISA
Toxocara AB (IgG)	Serum, plasma	ELISA
Toxoplasma gondii AB (IgG/IgM)	Serum, plasma	CLIA
Toxoplasma gondii AB (IgG/IgM, IgG avidity)	Serum, plasma	ELFA
Treponema pallidum (IgG/IgM)	Serum, plasma	ELISA
Treponema pallidum AB	Serum, plasma	CLIA
Treponema pallidum AB (IgG/IgM)	Serum, plasma	Immunoblot (Western blot)
Trichinella spiralis AB (IgG)	Serum, plasma	ELISA
Yersinia AB (IgA/IgG)	Serum, plasma	ELISA
Yersinia AB (IgA/IgG)	Serum, plasma	Immunoblot (Western blot)

Type of test:

Microscopy ^[Flex B]

Analyte (measurand)	Test material (matrix)	Test technique
Bacteria and fungi	Culture material Puncture specimen, cerebrospinal fluid, abscess material, vaginal swab, cervical swab, respiratory secretions	Light field microscopy Gram staining
Bartonella henselae AB (IgG/IgM)	Serum	Indirect immunofluorescence microscopy
Bartonella quintana AB (IgG/IgM)	Serum	Indirect immunofluorescence microscopy
Coccidia	Stool	Bright-field microscopy Modified Kinyoun stain
Mycobacteria	Wound swabs, cerebrospinal fluid, puncture specimens, stool, respiratory tract secretions, gastric juice, bone marrow, ejaculate, urine, tissue samples (biopsy, skin)	Direct fluorescence microscopy
Mycobacteria	Wound swabs, cerebrospinal fluid, puncture specimens, stool, respiratory tract secretions, gastric juice, bone marrow, ejaculate, urine, tissue samples (biopsy, skin), culture material	Bright-field microscopy Kinyoun staining
Oxyurids	Anal film	Bright-field microscopy
Parasites	Blood	Bright-field microscopy Giemsa staining
Plasmodium spp. (malaria pathogen)	Blood	Bright-field microscopy Giemsa staining
Q fever (Coxiella burnetii) AB (IgG / IgM)	Serum	Indirect immunofluorescence microscopy
Treponema vincentii (Plaut-Vincent angina)	Tonsil and throat swabs	Bright-field microscopy Modified gram staining
Trichomonas vaginalis	Vaginal secretion, urethral swab, urine sediment	Bright-field microscopy Giemsa staining
Worm eggs, protozoa, worms and worm elements	Stool, duodenal secretion, urine spontaneously, worms, worm parts, ectoparasites	Bright-field microscopy

Type of test:

Molecular genetic test methods and techniques ^[Flex C]

Analyte (measurand)	Test material (matrix)	Test technique
16s rDNA (bacteria)	Culture material	PCR, DNA sequencing
18s rDNA (fungi)	Culture material	PCR, DNA sequencing
Anaplasma phagocytophilum	Citrated blood, EDTA blood, cerebrospinal fluid	Real-time PCR
Babesia spp.	Citrated blood, EDTA blood, cerebrospinal fluid	Real-time PCR
Bartonella henselae	Biopsy, citrated blood, EDTA blood	Real-time PCR
Bartonella quintana	Biopsy, citrated blood, EDTA blood	Real-time PCR
Blastocystis hominis	Stool	Real-time PCR
Bordetella parapertussis	Swabs, lavage, pharyngeal lavage, secretion, sputum	Real-time PCR
Bordetella parapertussis	Swab, BAL, nasal lavage, sputum	Real-time PCR
Bordetella pertussis	Swabs, lavage, pharyngeal lavage, secretion, sputum	Real-time PCR
Bordetella pertussis	Swab, BAL, nasal lavage, sputum	Real-time PCR
Borrelia burgdorferi	Biopsy, citrated blood, EDTA blood, puncture specimens, cerebrospinal fluid	Real-time PCR
Brucella spp.	Biopsy, citrated blood, EDTA blood, cerebrospinal fluid, bone marrow, urine	Real-time PCR
Burkholderia cepacia complex (differentiation)	Culture material	PCR, DNA sequencing
Carbapenemase genes (KPC, OXA-48, GES, VIM, NDM, GIM, IMP) in enterobacteria	Culture material	Real-time PCR
Chlamydia pneumoniae	Swab, tissue, lavage, cerebrospinal fluid, puncture specimens, secretion, sputum	Real-time PCR
Chlamydia pneumoniae	Swab, BAL, nasal lavage, sputum	Real-time PCR
Chlamydia trachomatis	Swab, puncture specimen, sperm, urine	Real-time PCR
Clostridioides difficile toxin A, B	Stool	Real-time PCR
Coxiella burnetii	Swab, biopsy, citrated blood, EDTA blood, cerebrospinal fluid, sputum	Real-time PCR
Cryptococcus neoformans/gattii	Cerebrospinal fluid	Real-time PCR

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Analyte (measurand)	Test material (matrix)	Test technique
<i>Cryptosporidium</i> spp.	Stool	Real-time PCR
<i>Cyclospora cayetanensis</i>	Stool	Real-time PCR
Dermatophytes (ITS gene fragments)	Culture material	PCR, DNA sequencing
<i>Dientamoeba fragilis</i>	Stool	Real-time PCR
Diphtheria toxin gene	Culture material	Real-time PCR
EHEC (stx1, stx2)	Culture material	Real-time PCR
<i>Entamoeba histolytica</i>	Stool	Real-time PCR
EPEC (Dyspepsia coli, enteropathogenic <i>E. coli</i>)	Stool, culture material	Real-time PCR
<i>Escherichia coli</i>	Cerebrospinal fluid	Real-time PCR
<i>Francisella tularensis</i>	Swab, biopsy, citrated blood, EDTA blood	Real-time PCR
<i>Gardnerella vaginalis</i>	Swab, urine	Real-time PCR
<i>Giardia lamblia</i>	Stool	Real-time PCR
<i>Haemophilus influenzae</i>	Cerebrospinal fluid	Real-time PCR
<i>Haemophilus influenzae</i>	Swab, BAL, nasal lavage, sputum	Real-time PCR
<i>Helicobacter pylori</i>	Culture material, biopsy, gastric juice	Real-time PCR
<i>Helicobacter pylori</i> and clarithromycin, fluoroquinolone resistance	Biopsy, culture material	PCR, line probe assay
<i>Legionella pneumophila</i>	Swab, BAL, culture material, cerebrospinal fluid, sputum, secretion, urine	Real-time PCR
<i>Legionella pneumophila</i>	Swab, BAL, nasal lavage, sputum	Real-time PCR
<i>Leptospira interrogans</i>	Biopsy, citrated blood, EDTA blood, cerebrospinal fluid, urine	Real-time PCR
<i>Listeria monocytogenes</i>	Cerebrospinal fluid, tissue	Real-time PCR
<i>Listeria monocytogenes</i>	Cerebrospinal fluid	Real-time PCR
<i>mecC</i> gene (<i>Staphylococcus aureus</i>)	Culture material	Real-time PCR
MRSA (methicillin-resistant <i>Staphylococcus aureus</i>)	Culture material, swab (nose, throat, groin, axilla, hairline, wound)	Real-time PCR
MRSA spa typing	Culture material	PCR, DNA sequencing
<i>Mycobacterium tuberculosis</i> complex	Culture material	PCR, line probe assay
<i>Mycobacterium tuberculosis</i> complex	Swab, culture material, biopsy, citrated blood, EDTA blood, bone marrow, lavage, cerebrospinal fluid, gastric juice, puncture specimen, secretion, semen, sputum, urine	Real-time PCR

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Analyte (measurand)	Test material (matrix)	Test technique
Mycobacterium tuberculosis complex and fluoroquinolone, aminoglycoside, ethambutol resistance	Culture material	PCR, line probe assay
Mycobacterium tuberculosis complex and rifampicin resistance	Sputum	Real-time PCR
Mycobacterium tuberculosis complex and rifampicin, isoniazid resistance	Culture material	PCR, line probe assay
Mycoplasma genitalium	Swab, puncture specimen, secretion, sperm, urine	Real-time PCR
Mycoplasma hominis	Swab, puncture specimen, secretion, sperm, urine	Real-time PCR
Mycoplasma hominis	Swab, urine	Real-time PCR
Mycoplasma pneumoniae	Swabs, lavage, pharyngeal lavage, secretion, sputum	Real-time PCR
Mycoplasma pneumoniae	Swab, BAL, nasal lavage, sputum	Real-time PCR
Mycobacteria	Culture material	PCR, line probe assay
Neisseria gonorrhoeae	Swab, sperm, urine	Real-time PCR
Neisseria gonorrhoeae	Swab, urine	Real-time PCR
Neisseria meningitidis	Swab, EDTA blood, culture material, cerebrospinal fluid	Real-time PCR
Neisseria meningitidis	Cerebrospinal fluid	Real-time PCR
Nontuberculosis mycobacteria (NTM)	Swab, biopsy, tissue, lavage, cerebrospinal fluid, gastric fluid, puncture specimen, secretion, sperm, sputum, urine	Real-time PCR
NTM detection and resistance testing	Culture material	PCR, line probe assay
NTM species-specific differentiation (Nontuberculous mycobacteria)	PCR product	DNA sequencing
Panton-Valentine leukocitin toxin (lukS gene) in Staphylococcus aureus or MRSA	Culture material	Real-time PCR
Pneumocystis jirovecii (carinii)	Swab, lavage, pharyngeal lavage, secretion, sputum	Real-time PCR
Rickettsia spp.	Citrated blood, EDTA blood, cerebrospinal fluid	Real-time PCR
Streptococcus agalactiae	Cerebrospinal fluid	Real-time PCR
Streptococcus pneumoniae	Cerebrospinal fluid	Real-time PCR

Analyte (measurand)	Test material (matrix)	Test technique
Streptococcus pneumoniae	Swab, BAL, nasal lavage, sputum	Real-time PCR
Trichomonas vaginalis	Swab, urine	Real-time PCR
Tropheryma whipplei	Biopsy, cerebrospinal fluid	Real-time PCR
Ureaplasma urealyticum/parvum	Swab, puncture specimen, secretion, sperm, urine	Real-time PCR
Ureaplasma urealyticum/parvum	Swab, urine	Real-time PCR
Vancomycin resistance (enterococci A, B)	Culture material	Real-time PCR

Type of test:

Spectrometry – NIR/IR spectrometry ^[Flex B]

Analyte (measurand)	Test material (matrix)	Test technique
Helicobacter pylori	Air / breathing air	IR spectrometry

Type of test:

Cell function tests ^[Flex B]

Analyte (measurand)	Test material (matrix)	Test technique
Release of IFN- γ after stimulation with Mycobacterium tuberculosis antigens (QuantiFERON test)	Blood	Cytokine release, measurement of cytokines using chemiluminescence immunoassay

Test area: Virology

Type of test:

Ligand assays ^[Flex B]

Analyte (measurand)	Test material (matrix)	Test technique
Adenovirus AB (IgA/IgG)	Serum, plasma, cerebrospinal fluid	ELISA
Adenovirus antigen	Stool	ELISA
Chikungunya AB (IgG/IgM)	Serum, plasma	ELISA
CMV (Cytomegalovirus) AB (IgG/IgM)	Serum, plasma, cerebrospinal fluid	ELISA
CMV (cytomegalovirus) AB (IgG/IgM/IgG avidity)	Serum	ELFA
CMV (cytomegalovirus) AB (IgG/IgM/IgG avidity)	Serum, plasma	Immunoblot (Western blot)
Dengue virus AB (IgG/IgM)	Serum	ELISA
Dengue virus NS1 antigen	Serum	ELISA
Dengue virus NS1 antigen	Serum, plasma	FIA

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Analyte (measurand)	Test material (matrix)	Test technique
EBV (Epstein-Barr virus) AB (VCA IgG/IgM/EBNA1-IgG)	Serum, plasma	CLIA
EBV (Epstein-Barr virus) AB (IgA/IgG/IgM/IgG avidity)	Serum, plasma	Immunoblot (Western blot)
Enterovirus AB (IgG/IgM)	Serum, cerebrospinal fluid	ELISA
FSME virus AB (IgG/IgM)	Serum, cerebrospinal fluid	ELISA
Hantavirus AB (IgG/IgM)	Serum, plasma	Immunoblot (Western blot)
Hepatitis A AB (HAV-IgG/IgM)	Serum, plasma	CLIA
Hepatitis Bc AB (anti-HBc-IgG/IgM)	Serum, plasma	CLIA
Hepatitis Bc AB (anti-HBc-IgG/IgM)	Serum, plasma	CMIA
Hepatitis Bc AB (anti-HBc-IgM)	Serum, plasma	CLIA
Hepatitis Be AB (anti-Hbe)	Serum, plasma	CLIA
Hepatitis Be antigen (HBe-Ag)	Serum, plasma	CLIA
Hepatitis Bs AB (anti-HBs)	Serum, plasma	CLIA
Hepatitis Bs antigen (HBs-Ag)	Serum, plasma	CLIA
Hepatitis Bs antigen (HBs-Ag)	Serum, plasma	CMIA
Hepatitis Bs antigen (HBs-Ag)	Serum, plasma	ECLIA
Hepatitis C AB (HCV-IgG)	Serum, plasma	CLIA
Hepatitis C AB (HCV-IgG)	Serum, plasma	CMIA
Hepatitis C AB (HCV-IgG)	Serum, plasma	Immunoblot (Western blot)
Hepatitis A AB (anti-HDV)	Serum, plasma	CLIA
Hepatitis E AB (IgG/IgM)	Serum, plasma	CLIA
HEV (hepatitis E virus) AB (IgG/IgM)	Serum, plasma	Immunoblot (Western blot)
HIV 1/2 AB, HIV p24 antigen	Serum, plasma	CLIA
HIV 1/2 AB, HIV p24 antigen	Serum, plasma	ECLIA
HSV (herpes simplex virus) AB (IgA/IgG/IgM)	Serum, plasma, cerebrospinal fluid	ELISA
HSV-1 (herpes simplex virus) AB (IgG)	Serum, plasma	Immunoblot (Western blot)
HSV-2 (herpes simplex virus) AB (IgG)	Serum, plasma	Immunoblot (Western blot)
Influenza A virus AB (IgA/IgG)	Serum, plasma	ELISA
Influenza A/B virus antigen	Respiratory secretions, swabs	FIA
Influenza B virus AB (IgA/IgG)	Serum, plasma	ELISA
Measles virus AB (IgG/IgM)	Serum, plasma, cerebrospinal fluid	ELISA
Mumps virus AB (IgG)	Cerebrospinal fluid	ELISA
Mumps virus AB (IgG/IgM)	Serum, plasma	CLIA
Parvovirus B19 AB (IgG/IgM)	Serum, plasma	CLIA
Parvovirus B19 AB (IgG/IgM/IgG avidity)	Serum, plasma	Immunoblot (Western blot)

Analyte (measurand)	Test material (matrix)	Test technique
Rotavirus antigen	Stool	ELISA
German measles virus AB (IgG)	Cerebrospinal fluid	ELISA
German measles virus AB (IgG/IgM)	Serum, plasma	CLIA
German measles virus AB (IgM)	Serum	ELFA
Sandfly fever virus AB (IgG/IgM)	Serum, plasma	Immunoblot (Western blot)
SARS-CoV-2 AB (IgG)	Serum, plasma	ELISA
SARS-CoV-2 AB (IgG)	Serum, plasma	Immunoblot (Western blot)
SARS-CoV-2-AB (IgG)	Serum, plasma	ECLIA
VZV (varicella zoster virus) AB (IgA/IgG/IgM/IgG avidity)	Serum, plasma, cerebrospinal fluid	ELISA
VZV (varizella zoster virus) AB (IgG)	Serum	ELFA
West Nile virus (IgG/IgM) AB	Serum, plasma	ELISA
Zika virus AB (IgG/IgM)	Serum, plasma	ELISA

Type of test:

Molecular genetic test methods and techniques ^[Flex C]

Analyte (measurand)	Test material (matrix)	Test technique
Adenovirus	Stool	Real-time PCR
Adenovirus	Swab, EDTA blood, BAL, lavage, cerebrospinal fluid, secretion, serum, urine	Real-time PCR
Astrovirus	Stool	Real-time PCR
BK virus	Citrated, EDTA blood, serum, urine	Real-time PCR
Boca virus	Swab, BAL, lavage, secretion, sputum	Real-time PCR
Cytomegalovirus (CMV)	EDTA blood, tissue, cerebrospinal fluid, breast milk, secretion, stool, urine, swab, BAL, lavage	Real-time PCR
Enterovirus	Stool	Real-time PCR
Enterovirus	Biopsy, cerebrospinal fluid, puncture specimen, pharyngeal lavage, throat swab, stool	Real-time PCR
Epstein-Barr virus	Swab, EDTA blood, cerebrospinal fluid, EDTA plasma, serum, secretion, BAL, lavage	Real-time PCR

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Analyte (measurand)	Test material (matrix)	Test technique
FSME virus	EDTA blood, cerebrospinal fluid	Real-time PCR
Hepatitis B virus (HBV)	Serum, EDTA plasma	Real-time PCR
Hepatitis C virus (HCV)	Serum, EDTA plasma	Real-time PCR
Hepatitis C virus genotyping (HCV)	Amplicon	DNA sequencing (Sanger)
Herpes simplex virus (HSV 1, 2)	Swab, tissue, secretion, cerebrospinal fluid, EDTA blood, BAL, lavage	Real-time PCR
HIV-1	EDTA plasma	Real-time PCR
Influenza virus A	Swab, BAL, lavage, sputum, secretion, cerebrospinal fluid	Real-time PCR
Influenza virus A	Swab, BAL, lavage, secretion, sputum	Real-time PCR
Influenza virus B	Swab, BAL, lavage, sputum, secretion, cerebrospinal fluid	Real-time PCR
Influenza virus B	Swab, BAL, lavage, secretion, sputum	Real-time PCR
JC virus	EDTA blood, cerebrospinal fluid, serum, urine	Real-time PCR
Meningitis/encephalitis pathogens: CMV, enterovirus, HSV-1, HSV-2, HHV-6, parechovirus, VZV	Cerebrospinal fluid	Multiplex real-time PCR
Metapneumovirus (hMPV)	Swab, BAL, lavage, secretion, sputum	Real-time PCR
Norovirus	Stool, vomit	Real-time PCR
Norovirus	Stool	Real-time PCR
Papillomavirus (HPV 16, 18 and other high-risk HPV viruses)	Genital swab	Real-time PCR
Pneumonia pathogens: Adenovirus, coronavirus, human metapneumovirus, human rhinovirus/enterovirus, MERS-CoV, influenza A, influenza B, parainfluenza, RSV	Sputum, secretion, lavage, BAL, puncture specimen	Multiplex real-time PCR
Respiratory pathogens: SARS-CoV-2, influenza A, influenza B, RSV	Swab	Multiplex real-time PCR

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Analyte (measurand)	Test material (matrix)	Test technique
Respiratory pathogens: Adenovirus DNA, SARS-CoV-2 RNA, human metapneumovirus RNA, rhinovirus RNA, influenza A virus RNA, influenza B virus RNA, parainfluenza virus RNA, RS virus RNA	Swab, sputum, secretion, lavage, BAL	Multiplex real-time PCR
Respiratory pathogens: Adenovirus DNA, coronavirus 229E RNA, coronavirus HKU1 RNA, coronavirus NL63 RNA, coronavirus OC43 RNA, MERS- CoV RNA, SARS-CoV-2 RNA, human metapneumovirus RNA, rhino/enterovirus RNA, influenza A virus RNA, influenza B virus RNA, parainfluenza virus 1 RNA, parainfluenza virus 2 RNA, parainfluenza virus 3 RNA, parainfluenza virus 4 RNA, RS virus RNA	Swabs	Multiplex real-time PCR
Respiratory pathogens: Adenovirus DNA, coronavirus 229E RNA, coronavirus HKU1 RNA, coronavirus NL63 RNA, coronavirus OC43 RNA, MERS- CoV RNA, SARS-CoV-2 RNA, human metapneumovirus RNA, rhino/enterovirus RNA, influenza A virus RNA, influenza B virus RNA, parainfluenza virus 1 RNA, parainfluenza virus 2 RNA, parainfluenza virus 3 RNA, parainfluenza virus 4 RNA, RS virus RNA	Secretion, sputum, lavage, BAL	Multiplex real-time PCR
Respiratory syncytial virus (RSV)	Swab, secretion, sputum, lavage, BAL, cerebrospinal fluid	Real-time PCR
Rhinovirus	Swab, secretion, sputum, lavage, BAL	Real-time PCR
Rotavirus	Stool	Real-time PCR
SARS-CoV-2	Swab	Real-time PCR
SARS-CoV-2	Swab, secretion, sputum, lavage, bronchial lavage, cerebrospinal fluid	Real-time PCR
SARS-CoV-2	Secretion, sputum, lavage, bronchial lavage	Real-time PCR
STI pathogens: HSV-1, HSV-2	Swab, urine, semen	Multiplex-Real-time-PCR

Analyte (measurand)	Test material (matrix)	Test technique
Varizella zoster virus (VZV)	Swab, biopsy, EDTA blood, BAL, lavage, secretion, cerebrospinal fluid	Real-time PCR

Type of test:

Cell function tests ^[Flex C]

Analyte (measurand)	Test material (matrix)	Test technique
Release of IFN- γ after stimulation with SARS-CoV-2 spike antigens (QuantIFERON test)	Blood	Cytokine release, measurement of cytokines using chemiluminescence immunoassay

Test area: Transfusion medicine

Type of test:

Agglutination tests ^[Flex B]

Analyte (measurand)	Test material (matrix)	Test technique
Antibody differentiation	EDTA blood	Haemagglutination test
Antibody differentiation	EDTA blood	Particle agglutination test
Antibody screening	EDTA blood	Haemagglutination test
Antibody screening	EDTA blood	Particle agglutination test
Antibody titre	EDTA blood	Haemagglutination test
Antibody titre	EDTA blood	Particle agglutination test
Blood group	EDTA blood	Haemagglutination test
Blood group	EDTA blood	Particle agglutination test
Direct Coombs test	EDTA blood	Haemagglutination test
Direct Coombs test	EDTA blood	Particle agglutination test
Indirect Coombs test	EDTA blood	Haemagglutination test
Indirect Coombs test	EDTA blood	Particle agglutination test
Cold agglutinins	EDTA plasma, residual blood	Haemagglutination test
Kell antigen	EDTA blood	Haemagglutination test
Kell antigen	EDTA blood	Particle agglutination test
Crossmatch	EDTA blood	Particle agglutination test
Rhesus formula	EDTA blood	Haemagglutination test
Rhesus formula	EDTA blood	Particle agglutination test

Location: Marie-Curie-Straße 6, 88400 Biberach an der Riß

Test area: Clinical chemistry

Type of test:

Chromatography – High performance liquid chromatography, ultra-high performance liquid chromatography (HPLC, UHPLC) ^[Flex B]

Analyte (measurand)	Test material (matrix)	Test technique
Glycohemoglobin HbA1, HbA1c	EDTA blood	HPLC/FD

Type of test:

Flow cytometry (including particle property determination) ^[Flex B]

Analyte (measurand)	Test material (matrix)	Test technique
Blood count, large	EDTA blood	Determination of cytochemical-cytometric characteristics
Blood count, small	EDTA blood	Determination of cytochemical-cytometric characteristics
Differential blood count, mechanical	EDTA blood	Determination of cytochemical-cytometric characteristics
Erythrocytes	EDTA blood	Particle counting, electronic or optical-electronic
Haematocrit	EDTA blood	Particle counting, electronic or optical-electronic
Leukocytes	EDTA blood	Particle counting, electronic or optical-electronic
MCH (mean corpuscular hemoglobin)	EDTA blood	Particle counting, electronic or optical-electronic
MCHC	EDTA blood	Particle counting, electronic or optical-electronic
MCV (mean corpuscular volume)	EDTA blood	Particle counting, electronic or optical-electronic
Reticulocytes, mechanical	EDTA blood	Determination of cytochemical-cytometric characteristics
Thrombocytes	EDTA blood	Particle counting, electronic or optical-electronic
Urine sediment	Urine	Particle counting, electronic or optical-electronic

Type of test:

Electrochemical analysis ^[Flex B]

Analyte (measurand)	Test material (matrix)	Test technique
Chloride	Serum	Potentiometry
Potassium	Serum	Potentiometry
Sodium	Serum	Potentiometry

Type of test:

Electrophoresis ^[Flex B]

Analyte (measurand)	Test material (matrix)	Test technique
Protein electrophoresis	Serum	Capillary electrophoresis

Type of test:

Coagulometry ^[Flex B]

Analyte (measurand)	Test material (matrix)	Test technique
Fibrinogen	Citrated plasma	Coagulometry
INR	Citrated plasma	Calculation
PTT	Citrated plasma	Coagulometry
Quick	Citrated plasma	Coagulometry

Type of test:

Ligand assays ^[Flex B]

Analyte (measurand)	Test material (matrix)	Test technique
Digitoxin	Serum	CLIA/ECLIA
Folic acid	Serum	CLIA/ECLIA
Free PSA	Serum	CLIA/ECLIA
FT3	Serum	CLIA/ECLIA
FT4	Serum	CLIA/ECLIA
PCT	Serum	CLIA/ECLIA
pro BNP II	Serum	CLIA/ECLIA
PSA, total	Serum	CLIA/ECLIA
PTH	EDTA plasma	CLIA/ECLIA
βHCG (human chorionic gonadotropin)	Serum	CLIA/ECLIA
Troponin T hs	Serum	CLIA/ECLIA
TSH	Serum	CLIA/ECLIA
Valproic acid	Serum	CLIA/ECLIA
Vitamin B 12	Serum	CLIA/ECLIA

Type of test:

Microscopy ^[Flex B]

Analyte (measurand)	Test material (matrix)	Test technique
Differential blood count	Swab	Bright-field microscopy
Cell count	Cerebrospinal fluid, puncture	Bright-field microscopy

Type of test:

Qualitative analysis (simple) with visual check ^[Flex B]

Analyte (measurand)	Test material (matrix)	Test technique
Drugs	Urine	Using reagent carriers
hCG	Urine	Using reagent carriers
Urine status	Urine	Using reagent carriers

Type of test:

Sedimentation tests ^[Flex B]

Analyte (measurand)	Test material (matrix)	Test technique
ESR (erythrocyte sedimentation rate)	EDTA blood	Capillary flow analysis

Type of test:

Spectrometry – UV/VIS photometry ^[Flex B]

Analyte (measurand)	Test material (matrix)	Test technique
Albumin, albumin/creatinine	Serum, urine	Photometry
Alcohol (ethanol)	Serum	Photometry
Antithrombin III	Citrated plasma	Photometry
AP (alkaline phosphatase)	Serum	Photometry
Bilirubin direct	Serum	Photometry
Bilirubin total	Serum	Photometry
Calcium	Serum	Photometry
CHE (cholinesterase)	Serum	Photometry
Cholesterol	Serum	Photometry
CK / creatine kinase	Serum	Photometry
CK-MB	Serum	Photometry
Iron	Serum	Photometry
Gamma-GT	Serum	Photometry
Total protein	Serum, cerebrospinal fluid, urine	Photometry
Glucose	Serum, cerebrospinal fluid	Photometry
GOT	Serum	Photometry
GPT	Serum	Photometry
Haemoglobin	EDTA blood	Photometry
Uric acid	Serum	Photometry
Urea	Serum	Photometry
HDL cholesterol	Serum	Photometry
Creatinine, creatinine clearance	Serum, urine	Photometry
Lactate	Serum, cerebrospinal fluid	Photometry
LDH (lactate dehydrogenase)	Serum	Photometry
LDL cholesterol	Serum	Photometry
Lipase	Serum	Photometry
Magnesium	Serum	Photometry
Pancreatic amylase	Serum	Photometry
Phosphate	Serum	Photometry
Triglycerides	Serum	Photometry

Type of test:

Spectrometry – Turbidimetry/immunoturbidimetry ^[Flex B]

Analyte (measurand)	Test material (matrix)	Test technique
Antistreptolysin, ASL	Serum	Immunoturbidimetry
(CRP) C-reactive protein	Serum	Immunoturbidimetry
D-Dimer	Citrated plasma	Turbidimetry
Digoxin	Serum	Immunoturbidimetry
Ferritin	Serum	Immunoturbidimetry
Haptoglobin	Serum	Immunoturbidimetry
Rheumatoid factor	Serum	Immunoturbidimetry
Transferrin	Serum	Immunoturbidimetry

Test area: Immunology

Type of test:

Spectrometry – Turbidimetry/immunoturbidimetry ^[Flex B]

Analyte (measurand)	Test material (matrix)	Test technique
Immunoglobulin IgA	Serum	Immunoturbidimetry
Immunoglobulin IgG	Serum	Immunoturbidimetry
Immunoglobulin IgM	Serum	Immunoturbidimetry

Test area: Virology

Type of test:

Ligand assays ^[Flex B]

Analyte (measurand)	Test material (matrix)	Test technique
HCV	Serum	FPIA/MEIA
Hepatitis A AB (anti-HAV, IgG/IgM)	Serum	FPIA/MEIA
Hepatitis A AB, IgM	Serum	FPIA/MEIA

Analyte (measurand)	Test material (matrix)	Test technique
Hepatitis Bc AB (anti-HBc-IgG/IgM)	Serum	FPIA/MEIA
Hepatitis B antigen (HBs-Ag)	Serum	FPIA/MEIA
Hepatitis Bs AB (a-HBs)	Serum	FPIA/MEIA
HIV	Serum	FPIA/MEIA

Type of test:

Molecular genetic test methods and techniques ^[Flex B]

Analyte (measurand)	Test material (matrix)	Test technique
SARS-CoV-2-RNA	Swab	Real-time PCR

Test area: Transfusion medicine

Type of test:

Agglutination tests ^[Flex B]

Analyte (measurand)	Test material (matrix)	Test technique
Antibody screening procedure	Whole blood	Direct agglutination tests
Blood group (A,B,AB,0)	Whole blood	Direct agglutination tests
Direct Coombs test	Whole blood	Direct agglutination tests
Crossmatch	Whole blood	Direct agglutination tests
Rhesus formula	Whole blood	Direct agglutination tests