

IN STAND e.V. and accreditation

The quality management system and proficiency testing activities are accredited to DIN EN ISO/IEC 17043, ensuring that all procedures meet the highest international standards.

Flexible Scope of accreditation

The German Accreditation Body (DAkKS), the national accreditation authority of the Federal Republic of Germany, offers accreditation with either a fixed or a flexible scope in accordance with [EA-2/15](#).

Under a fixed scope, each proficiency testing (PT) scheme must be individually assessed by DAkKS before its inclusion in the official certificate annex. In contrast, a flexible scope authorizes the provider to independently add new EQA schemes to the accredited portfolio within defined boundaries. This process is based on the provider's demonstrated competence and validated internal procedures, which are themselves subject to regular DAkKS surveillance.

As the annex to the accreditation certificate is updated regular at defined intervals and may therefore not always reflect the current status or the complete portfolio, a comprehensive public list is maintained in addition.

This list ensures continuous transparency of all EQA schemes currently offered under the accredited scope.

Field: Clinical Chemistry (CC)

Testing area (CC)	Matrices	EQA-Nr.	Parameters/Analyses
Cardiac marker	plasma, serum	761	BNP
	serum	760	CK-MB (activity), CK-MB (mass), CK-MB (qualitative), Myoglobin, Myoglobin (qualitative), NT-pro BNP, Troponin I, Troponin I (qualitative), Troponin T, Troponin T (qualitative)
Cerebrospinal fluid	CSF	466	Amyloid β Peptid 40 (A β 40), Amyloid β Peptid 42 (A β 42), Amyloid β Peptid 42 (A β 42) - diagnostic comment, Amyloid β Peptid Ratio (A β 42/40), Amyloid β Peptid Ratio (A β 42/40) - diagnostic comment, Interpretation of the report, PhosphoTau Protein (pTau), PhosphoTau Protein (pTau) - diagnostic comment, Total Tau Protein (Tau), Total Tau Protein (Tau) - diagnostic comment
		467	Ferritin - CSF, Interpretation of the report
	CSF, serum	460	Albumin, Albumin - CSF, Albumin quotient, IgA, IgA - CSF, IgA Quotient, IgG, IgG - CSF, IgG Quotient, IgM, IgM - CSF, IgM Quotient, Interpretation of the report, Protein - CSF, intrathecal synthesis of, normal quotient of
		462	Interpretation of the report, Oligoclonal IgG
		463	Herpes simplex virus IgG Antibody Index, Interpretation of the report, Measles virus IgG Antibody Index, Rubella virus IgG Antibody Index, Varizella zoster virus IgG Antibody Index
		464	Glucose, Glucose - CSF, Glucose quotient (CSF/Serum), Glucose quotient - diagnostic comment, Interpretation of the report, Lactate (CSF) - diagnostic comment, Lactate - CSF
		465	Borrelia IgG Antibody Index
		468	Interpretation of the report, kappa-FLC CSF/serum quotient, kappa-free light chains - CSF, kappa-free light chains - serum
Conventional clinical chemistry	plasma	185	3-Methoxytyramine, Dopamine, Epinephrine, Metanephrines, Norepinephrine, Normetanephrine, Serotonin
		243	Gammopathies, IgA, IgG, IgM, free light Chains Type kappa (quant.), free light Chains Type lambda (quant.)
		710	4-Hydroxyproline (free), Alanine, Arginine, Argininosuccinic acid, Asparagine, Aspartic acid, Citrulline, Cystathionine, Cysteine-Homocysteine-disulfide, Cystine, Glutamic acid, Glutamine, Glycine, Histidine, Isoleucine, Leucine, Lysine, Methionine, Ornithine, Phenylalanine, Phosphoethanolamine, Proline, Sarcosine, Serine, Taurine, Threonine, Tryptophan, Tyrosine, Valine, allo-Isoleucine, alpha-Amino adipic acid, b-Alanine, proposed diagnosis
	plasma, serum	118	Ammonia
		151	Apolipoprotein A1, Apolipoprotein B, Apolipoprotein E, Cholesterol, HDL-Cholesterol, Homocystein, LDL-Cholesterol, Lp (a), Phospholipids, Triglycerides
	Serum	100	AP, Acid Phosphatase, Albumin, Aldolase, Bilirubin, Bilirubin conj., CHE, CK, Calcium, Chloride, Cholesterol, Copper, Creatinine, GGT, GLDH, GOT (ASAT), GPT (ALAT), Glucose, HBDH, IgA, IgG, IgM, Iron, Iron binding Capacity, LDH, Lactate, Lipase, Lithium, Magnesium, Osmolality, Pancreas Amylase, Phosphate, Potassium, Prostatic Acid Phosphatase, Protein, Sodium, Transferrine, Triglycerides, Urea, Uric Acid, alpha-Amylase, gamma-Globulins
		102	Albumin, a1-Globulins, a2-Globulins, beta-Globulins, gamma-Globulins

Testing area (CC)	Matrices	EQA-Nr.	Parameters/Analyses
Conventional clinical chemistry	serum	111	Glucose
		141	Albumin, Protein, a1-Globulins, a2-Globulins, beta-Globulins, gamma-Globulins
		146	Fructosamine
		630	ACE
		700	Ethanol
		750	Asialotransferrin, Asialotransferrin and Disialotransferrin, Disialotransferrin
		821	CLL-MRD immunophenotyping (% MRD positivity), Rating of MRD
		whole blood	145
	279		Glucose-6- phosphate dehydrogenase
	Haematology	erythrocytes	236
whole blood		209	Haematocrit centrif., Haemoglobin, Leucocytes, Thrombocytes
		210	Hb-A, Hb-A2, Hb-F, Hb-S, clinical significance, interpretation of results, other Hb-variant
		211	Erythrocytes, Haematocrit centrif., Haematocrit el.count, Haemoglobin, Leucocytes, MCV, Thrombocytes
		212	Differential blood count - diagnostic comment, Differential blood count - differentiation, Differential blood count - morphology
		213	B-Lymphocytes, B-Lymphocytes (as % of all lymphocytes), CD4 pos. Lymphocytes with CD3-expression (/nl), CD4 pos. Lymphocytes with CD3-expression (as % of all lymphocytes), CD8 pos. Lymphocytes with CD3-expression (/nl), CD8 pos. Lymphocytes with CD3-expression (as % of all lymphocytes), NK-cells without CD3-expression, NK-cells without CD3-expression (as % of all lymphocytes), T-Lymphocytes, T-Lymphocytes (as % of all lymphocytes)
		215	Reticulocytes
		216	Concentration of Hb in reticulocytes, Immature Reticulocytes, Reticulated Platelets, Reticulocyte production Index (RPI), Reticulocytes, Reticulocytes concentration
		217	CD34+ Events, Viable CD34+ Events
		218	Bone Marrow Cytology
		612,912	Erythrocytes, Haematocrit centrif., Haematocrit el.count, Haemoglobin, Leucocytes, Lymphocytes, MCV, Monocytes, Thrombocytes, basophilic Granulocytes, eosinophil Granulocytes, neutrophil Granulocytes
		616, 916,917	assessment of erythrocytes (clone size), assessment of monocytes (clone size), assessment of neutrophils (clone size), assessment of reticulocytes (clone size), flow cytometry diagnosis
		617	B-cells, NK-cells, T-cells
		660	CD34+ Events, CD45+ events (single platform), Leucocytes
		820	CLL-MRD immunophenotyping (% MRD positivity), Rating of MRD
		822	CD19 CAR-T-cells (absolute), Leucocytes, Number of CD45pos events, Percentage of CAR T cells of all CD3+ T-cells, Percentage of CAR T-cells of all CD45+ leukocytes, number of CARpos events

Testing area (CC)	Matrices	EQA-Nr.	Parameters/Analytes
Haematology	whole blood	214	Immunophenotyping of Hematologic Neoplasms
Hemostaseology	plasma	221	Prothrombintime (INR), Prothrombintime (Quick), aPTT
		222	FDP screening, Fibrinogen, Thrombin Time
		223	Faktor II, Faktor V, Faktor VII, Faktor X
		224	Faktor IX, Faktor XI, Faktor XII, Faktor XIII
		225	Antithrombin, C1-Inhibitor, Protein S total, free Protein S funct. (act.), free Protein S immun. (conc.), total Protein C
		226	D-Dimer (qual), D-Dimer (quant.)
		227	Faktor VIII akt., Willebrand Fact. Activity, Willebrand Fact. Ag, Willebrand Fact. CBA, Willebrand Fact. RiCof
		230	Argatroban, Thrombin Time, aPTT
		280	Thrombin Time, Unfractionated Heparin, aPTT
		281	Low mol. weight Heparin
		282	Orgaran
		283	extrinsic: A20 [mm], extrinsic: CT[s] r[min], extrinsic: MCF [mm], intrinsic: A20 [mm], intrinsic: CT[s] r[min], intrinsic: MCF [mm]
		285	Antithrombin, D-Dimer (quant.), Fibrinogen, Prothrombintime (INR), Prothrombintime (Quick), Thrombin Time, aPTT
		288	APC Resistance, diagnostic comments
		501	Fondaparinux
		502	Dabigatran
		503	Rivaroxaban
		504	Apixaban
		505	Edoxaban
		506	Emicizumab
509	extrinsic: A20 [mm], extrinsic: CT[s] r[min], extrinsic: MCF [mm], intrinsic: A20 [mm], intrinsic: CT[s] r[min], intrinsic: MCF [mm]		
	whole blood	286	ACT, Prothrombintime (INR), Prothrombintime (Quick), aPTT
Hormones	plasma, serum	297	FSH, LH, anti-Mullerian hormone
		305	PAPP-A, free beta-chain hCG
		306	alpha-1-Fetoprotein, hCG intact, hCG intact +beta-hCG
		309	17-Hydroxy Progesterone, Androstendion
	Serum	294	T3 total, T4 total (Thyroxine), TSH, free T3, free T4
		295	TRAK/THYBIA, anti-Mikrosomen, anti-TPO, anti-Tyreoglobulin

Testing area (CC)	Matrices	EQA-Nr.	Parameters/Analytes
Hormones	serum	298	1-39 ACTH, DHEA, DHEA-S, HGH, Prolactin, Prolactin (3. IS)
		300	C-Peptide, Gastrin, Glucagon, Insulin, pro-Insuline
		301	1-84 PTH, Calcitonin, Thyreoglobulin
		302	17-beta-Estradiol, Cortisol, Progesterone, T3 total, T4 total (Thyroxine), TSH, Testosterone, free T3, free T4
		304	Aldosterone
		625	PlGF (placental growth factor), sFLT-1 (soluble fms-like tyrosine kinase-1)
		626	Erythropoietin, Thrombopoietin
IgG subclasses	serum	244	IgG1, IgG2, IgG3, IgG4
Newborn analytic	serum	110	Neonatal Bilirubin
Pharmaceuticals	plasma, serum	602	Hydroxy-Itraconazole, Itraconazole, Mycophenolic acid
	Serum	190	Amiodarone, Desethylamiodarone
		191	Lamotrigine, Levetiracetam, Sulthiame
		192	10-OH-Carbamazepine, Carbamazepine-Epoxyde, N-Desmethylnormethsuximide
		193	Teicoplanin
		194	Paracetamol, Salicylic Acid
		195	Carbamazepine, Digoxin, Ethosuximid, Lithium, Phenobarbital, Phenytoin, Primidon, Theophylline, Valproic Acid
		197	Amicacin, Digitoxin, Gentamicin, Methotrexate, Tobramycin, Vancomycin
		198	Chloramphenicol, Fluconazole, Flucytosine, Posaconazole, Voriconazole
		199	Amitriptyline, Clomipramine, Norclomipramine, Nortriptyline, Tricyclic Antidepressants - Screen
		200	Clozapine, N-Desmethylclozapine
		201	Doxepin, Nordoxepin, Nortrimipramine, Tricyclic Antidepressants - Screen, Trimipramine
		202	Desipramine, Imipramine, Maprotiline, Normaprotiline, Tricyclic Antidepressants - Screen
		203	Amitriptyline, Clomipramine, Desipramine, Doxepin, Imipramine, Norclomipramine, Nordoxepin, Nortrimipramine, Nortriptyline, Tricyclic Antidepressants (qual.) - Screening, Trimipramine
		850	Aciclovir, Atazanavir, Bictegravir, Cabotegravir, Darunavir, Dolutegravir, Doravirine, Efavirenz, Elvitegravir, Etravirine, Ganciclovir, Lopinavir, Maraviroc, Nevirapine, Raltegravir, Ribavirin, Rilpivirin, Ritonavir, Tenofovir
		860	10-OH-Carbamazepine, Aripiprazole, Citalopram, Lamotrigine, O-Desmethylvenlafaxine, Perazine, Quetiapine, Venlafaxine
861	Amisulpride, Escitalopram, Mirtazapine, O-Desmethylvenlafaxine, Quetiapine, Venlafaxine		
862	9-OH-Risperidone / Paliperidone, Clozapine, Duloxetine, Haloperidol, N-Desmethylclozapine, Olanzapine, Quetiapine, Risperidone, Ziprasidone		
863	Amitriptyline, Clomipramine, Clozapine, Desipramine, Doxepin, Imipramine, Maprotiline, N-Desmethylclozapine,		

Testing area (CC)	Matrices	EQA-Nr.	Parameters/Analytes
Pharmaceuticals	Serum		Norclomipramine, Nordoxepin, Nortriptyline, Trimipramine
		870	Caffeine
		871	Brivaracetam, Eslicarbazepine, Felbamate, Lacosamide, Perampanel, Rufinamide
		872	Gabapentin, Pregabalin, Tiagabine, Topiramate, Vigabatrin, Zonisamide
		873	Amisulpride, Desmethyl-Sertraline, Fluvoxamine, Levomepromazine, Pipamperone, Reboxetine, Sertraline, Ziprasidone
		874	Desmethyl-Fluoxetine, Fluoxetine, Mianserine, Perazine
		875	Cariprazine, Chlorprotixene, Desmethyl-Olanzapine, Olanzapine, Paroxetine
		876	Alprazolam, Chlordiazepoxide, Desalkylflurazepam, Diazepam, Nordiazepam, Oxazepam, Trazodone
		877	Clonazepam, Flunitrazepam, Flurazepam, Nitrazepam, Temazepam
		878	Bromazepam, Clobazam (Clobazepam), Lorazepam
		879	Atomoxetine, Methylphenidate, Ritalinic Acid
		890	Ampicillin, Cefepime, Ceftazidime, Linezolid, Meropenem, Piperacillin, Sulbactam, Tazobactam
			whole blood
Photometry	potassium picrate solution	181	Wavelength 334, Wavelength 340, Wavelength 365, Wavelength 405, Wavelength 436
Plasma proteins	plasma	241	C-Reactive Protein (quant), C3-Complement, C4-Complement, Coeruloplasmin, Ferritin, Haptoglobin, Hemopexin, IGE, IgA, IgG, IgM, Transferrine, a1-Antitrypsine, a1-Glycoprotein, a2-Makroglobulin, sTfR
	serum	240	hsCRP
		242	Cystatin C
		322	C-Reactive Protein (quant), C-reactive Protein (qual)
POCT	serum	810	AP, Albumin, Bilirubin, Bilirubin conj., CK, Calcium, Chloride, Cholesterol, Creatinine, GGT, GOT (ASAT), GPT (ALAT), Glucose, HDL-Cholesterol, LDH, LDL-Cholesterol, Lactate, Magnesium, Phosphate, Potassium, Protein, Sodium, Triglycerides, Urea (BUN), Uric Acid, VLDL-cholesterol, alpha-Amylase, tCO2
	whole blood	161	Chloride, Creatinine, Glucose, Lactate, Magnesium, Potassium, Sodium, Urea, ionized Calcium (Blood Gas), pCO2, pH, pO2
		162	Haemoglobin, fraction CO-Hb, fraction Met-Hb, fraction O2-Hb
		163	Chloride, Haemoglobin, Lactate, Potassium, Sodium, Urea, ionized Calcium (Blood Gas), pCO2, pH, pO2, sO2
		800	Glucose
Stool diagnostics	feces	130	Calprotectin, Calprotectin (qual.), Fecal Elastase, Fecal Elastase (qual.)
		131	Haemoglobin, Haemoglobin (qual.), Hemoglobin-Haptoglobin-complex, Hemoglobin-Haptoglobin-complex (qual.)
Trace elements	plasma	206	Aluminium, Arsenic, Cadmium, Chromium, Cobalt, Copper, Fluoride, Gold, Iodine, Iron, Manganese, Nickel, Platinum, Selenium, Zinc

Testing area (CC)	Matrices	EQA-Nr.	Parameters/Analytes
Trace elements	serum	207	Antimony, Beryllium, Bismuth, Molybdenum, Tin, Vanadium
	whole blood	208	Antimony, Arsenic, Cadmium, Chromium, Cobalt, Lead, Magnesium, Manganese, Mercury, Nickel, Selenium, Zinc
Tumor marker	serum	292	CA 125, CA 15-3, CA 19-9, CA 72-4, CEA, CYFRA 21-1, HER2/neu-Protein, PSA, free, PSA, total, ROMA-Score, S100, SCC, TPA, TPS, Thyroglobulin, alpha-1-Fetoprotein, beta-2-Microglobulin, hCG intact, hCG intact +beta-hCG, human Epididymis Protein 4, neuron-specific Enolase
		293	PSA, free, PSA, total, Testosterone
		299	AFP, AFP-L3, Calcitonin, GAAD-Score, GALAD-Score, PIVKAll, Pro Gastrin Releasing Peptide
Urine analysis	urinary stone	500	Urinary stone analysis
	Urine	171	Albumin - Urine, Ascorbic Acid, Bilirubin, Erythrocytes, Glucose, Ketone Bodies, Leucocytes, Nitrite, Protein, Urobilinogen, hCG, pH, specific gravity
		172	Urine sediment
		173	Albumin - Urine, Calcium, Chloride, Creatinine, Glucose, Magnesium, Osmolality, Phosphate, Potassium, Sodium, Urea, Uric Acid, alpha-Amylase, total Protein - Urine
		174	Barbiturate-Phenobarbital (qual.), Barbiturate-Phenobarbital (quant.), Benzoylcegonine (qualitative), Benzoylcegonine (quant.), Opiate / Morphin (qualitative), Opiate / Morphin (quant.), d-Amphetamine (qual), d-Amphetamine (quant)
		175	3-Methoxytyramine, 5-Hydroxyindolea Acid, Dopamine, Epinephrine, Homovanillic Acid, Metanephrines, Norepinephrine, Normetanephrine, Serotonin, Vanillylmandelic Acid
		176	(d-)Methamphetamine (qual.), (d-)Methamphetamine (quant.), Buprenorphine (qual.), Buprenorphine (quant.), LSD (qual.), LSD (quant.), Methadone (qual.), Methadone (quant.)
		177	Benzodiazepine Lorazepam (qual.), Benzodiazepine Lorazepam (quant.), EDDP (qual.), EDDP (quant.), MDMA (qual.), MDMA (quant.), delta-9-THC-COOH (qual.), delta-9-THC-COOH (quant.)
		178	Coproporphyrin 1, Coproporphyrin 3, Coproporphyrin total, Heptaporphyrin, Hexaporphyrin, Pentaporphyrin, Porphyrins total, Uroporphorin
		179	Aldosterone, Cortisol, free, hCG intact
		180	Aminolaevulinic Acid, Porphobilinogen
		182	Albumin - Urine, Creatinine, IgG, Retinol binding protein, Transferrine, alpha-1-Microglobulin, alpha-2-macroglobulin, beta-2-Microglobulin
		204	Amitriptyline, Clomipramine, Desipramine, Doxepin, Imipramine, Norclomipramine, Nordoxepin, Nortrimipramine, Nortriptyline, Tricyclic Antidepressants (qual.) - Screening, Trimipramine
205	Aluminium, Arsenic, Cadmium, Chromium, Cobalt, Copper, Fluoride, Iodine, Iron, Lead, Manganese, Mercury, Nickel, Selenium, Zinc		
751	Ethylglucuronide		

Testing area (CC)	Matrices	EQA-Nr.	Parameters/Analytes
Vitamins	plasma	187	Methylmalonic Acid
		296	Ascorbic acid (Vit. C)
	serum	290	1,25-OH Cholecalciferol, 25-OH CCF (Vit. D), Biotin (Vit. H), Cobalamin (Vit. B12), Folic Acid, Holotranscobalamin (act. Vit. B12), Pantothenic acid (Vit. B5), Pyridoxal-5-Phosphate (Vit. B6), Retinol (Vit. A), Riboflavin (free) (Vit. B2), Tocopherol (Vit. E), total Thiamine (Vit. B1)
		291	Flavine adenine dinucleotide (FAD), Flavine mononucleotid (FMN), Pyridoxal-5-Phosphate (Vit. B6), Riboflavin (free) (Vit. B2), Thiaminpyrophosphate (TPP), total Thiamine (Vit. B1)

Field: Immunology (II)

Testing area (II)	Matrices	EQA-Nr.	Analyte
Allergy diagnostics	serum	720	Food Allergen (Allergen-Kl.), Food Allergen (quant), IGE, Insect venom allergen (Allergen-Kl.), Insect venom allergen (quant), seasonal inhalation allergen (Allergen-Kl.), seasonal inhalation allergen (quant), year-round inhalation allergen (Allergen-Kl.), year-round inhalation allergen (quant)
Autoimmune diseases	plasma, serum	251	Autoantibodies against dsDNA - IIFT, Autoantibodies against dsDNA - qualitative, Autoantibodies against dsDNA - semiquantitative, Autoantibodies against nuclei (ANA) - IIFT, Collagenosis Screening (ANA) - qualitative, Collagenosis Screening (ANA) - semiquantitative, anti-DFS70 / LEDGF - qualitative
		253	anti-Actin - IIFT, anti-Actin - semiquantitative, anti-H+/K+-ATPase - semiquantitative, anti-Microsomes (LKM 1) - IIFT, anti-Microsomes (LKM 1) - qualitative, anti-Microsomes (LKM 1) - semiquantitative, anti-Mitochondria (M2) - qualitative, anti-Mitochondria (M2) - semiquantitative, anti-Mitochondria - IIFT, anti-Parietal cells - IIFT, anti-smooth muscle - IIFT
		255	ENA / myositis-/scleroderma-associated autoantibodies: anti-Jo-1 (Histidyl-tRNA synthetase), anti-PM/Scl, anti-SS-A/Ro (total), anti-SS-A/Ro 52 kD, anti-SS-A/Ro 60 kD, anti-SS-B/La, anti-Sm, anti-SmD, anti-Topoisomerase-1, and anti-U1-snRNP — each reported qualitatively and semiquantitatively .
		257	anti-MPO - qualitative, anti-MPO - semiquantitative, anti-PR3 - qualitative, anti-PR3 - semiquantitative, anti-glomerular basement membrane (GBM) - IIFT, anti-glomerular basement membrane (GBM) - qualitative, anti-glomerular basement membrane (GBM) - semiquantitative, c-ANCA - IIFT, p-ANCA - IIFT
		259	Pemphigoid/pemphigus and desmosomal antibodies: IIFT for anti-Desmosomes, anti-Hemidesmosomes, anti-BPAg 180, anti-BPAg 230, anti-Desmoglein 1, anti-Desmoglein 3, and anti-Desmoplakin I/II; plus qualitative and semiquantitative testing for anti-BPAg 180, anti-BPAg 230, anti-Desmoglein 1, anti-Desmoglein 3, and anti-Desmoplakin I/II.
		261	anti-Glutamic Acid Decarboxylase (GAD) - semiquantitative, anti-Insulin (IAA) - semiquantitative, anti-Islet cells - IIFT, anti-Islet cells - JDFU, anti-Tyrosine Phosphatase (IA2) - semiquantitative, anti-Zinc Transporter 8 (ZnT8A) - semiquantitative
		263	anti-P450 C17 - Hydroxylase - semiquantitative, anti-P450 C21 - Hydroxylase - semiquantitative, anti-P450 ssc - Hydroxylase - semiquantitative, anti-adrenal cortex - IIFT
		265	anti - Glia Cell Nuclear Antibody (AGNA) - IIFT, anti-Amphiphysin 1 - qualitative, anti-Amphiphysin 1 - semiquantitative, anti-HuD - qualitative, anti-HuD - semiquantitative, anti-Neuronal nuclei - IIFT, anti-Purkinje cells - IIFT, anti-Ri / Nova 1 - qualitative, anti-Ri / Nova 1 - semiquantitative, anti-SOX1 - qualitative, anti-Ta (Ma 2) - qualitative, anti-Ta (Ma 2) - semiquantitative, anti-Yo (CDR62) - qualitative, anti-Yo (CDR62) – semiquantitative

Autoimmune diseases	plasma, serum	267	Ganglioside/MAG antibodies (readout: qualitative, semiquantitative; isotypes: IgG, IgM, and total): anti-Asialoganglioside (AGA1); anti-Disialoganglioside (GD1a); anti-Disialoganglioside (GD1b); anti-Monosialoganglioside (GM1); anti-Monosialoganglioside (GM2); anti-Monosialoganglioside (GM3); anti-Myelin-associated Glycoprotein (MAG); anti-Quadrosialoganglioside (GQ1b); anti-Trisialoganglioside (GT1b) — for each antigen: IgG (qualitative, semiquantitative), IgM (qualitative, semiquantitative), and total
		269	anti-Acetylcholin receptors - semiquantitative, anti-Titin - qualitative, anti-Titin - semiquantitative, anti-musclespecific Receptor Tyrosinkinase (MuSK) - semiquantitative, anti-skeletal muscle - IIFT
		271	anti-Endomysium IgA (IIFT), anti-Gliadin IgA, anti-Gliadin IgG, anti-Transglutaminase IgA, anti-deamidated Gliadin IgA, anti-deamidated Gliadin IgG
		273	Rheumatoid Factor, Rheumatoid Factor (IgA), Rheumatoid Factor (IgG), Rheumatoid Factor (IgM), anti-CCP (cyclic citrulline peptide), anti-MCV (mutated citrullinated Vimentin)
		275	anti-Cardiolipin (IgA), anti-Cardiolipin (IgG), anti-Cardiolipin (IgM), anti- β 2-Glycoprotein (IgA), anti- β 2-Glycoprotein (IgG), anti- β 2-Glycoprotein (IgM)
Complement analysis	whole blood	653	Allergen specific reactivity of basophils, Common wasp, Honey bee, IgE-R-control, fMLP-control, negative control
	plasma	247	Bb, sC5b-9
	serum	245	Auto-anti C1q (IgG) (qual.)
		246	Alternative pathway, C1 inhibitor: activity, C1 inhibitor: protein, C1q proteine, C3-Complement, C4-Complement, Classical pathway, Complement factor H, Complement factor I, Lectin pathway
		248	C3 Nephritic factor (qual.)
		249	Auto-anti FH (qual.)
250	Auto-anti-C1 inhibitor IgA (qual.), Auto-anti-C1 inhibitor IgG (qual.), Auto-anti-C1 inhibitor IgM (qual.)		
Functional immunologic assays	whole blood	650, 950, 951	Interferon Gamma Release Assay (IGRA)
		654	Granulocyte function (oxidative burst), Granulocyte function (phagocytosis test)
		656	Lymphocyte Transformation Test (LTT)
		657	NK-/ and T cell cytotoxicity
HLA typing	serum	445	HLA antibody testing (detection and specification): CDC detection with DTT and without DTT ; SPA detection class I and class II ; antibody specification by CDC , by SPA (class I and class II), and by complement-binding assay (class I and class II).
		serum, whool blood	443
	whole blood	440	Determination of HLA-B27
		441	HLA Class I (HLA-A, HLA-B), HLA Class II (HLA-DR, HLA-DQ)

Immunophenotyping	whole blood	651	<p>B-Cells (% of CD19+): B-Cells; IgA+; IgG+; IgM only; memory; naive; non-switched memory; switched memory; transitional; CD21/CD38 low (activated); Plasma cells; Plasmablasts; non-switched Plasmablasts; switched Plasmablasts.</p> <p>T-Cells: T-Cells; alpha/beta (% of CD3+); gamma/delta (% of CD3+); activated T-Cells (HLA-DR+) (% of CD3+); CD45RA/RO phenotypes (% of CD3+): CD45RA+CD45RO+, CD45RA+CD45RO-, CD45RA-CD45RO+; DNTs (CD4- CD8- CD3+ TCRa/b +) (% of CD3+).</p> <p>T-Helper (% of CD3+CD4+): T-Helper Cells; naive; RTE; central memory; effector; effector memory; memory total; activated T-Helper Cells.</p> <p>T-Helper Subtypes (% of memory-TH): TH1 (Surrogat marker); TH1 (with intracellular cytokines); TH2 (Surrogat marker); TH2 (with intracellular cytokines); TH17 (Surrogat marker); TH-17 (with intracellular cytokines).</p> <p>Regulatory T-Cells (% of CD3+CD4+): CD25/127; FoxP3.</p> <p>Cytotoxic T-Cells / CD8 (% of CD3+CD8+): cytotoxic T-Cells; cytotoxic T-Cells selective; activated; naive; central memory; effector; effector memory; memory total.</p> <p>NK-Cells (% of NK): NK-Cells; CD314+; CD94+; cytolytic; regulatory (CD56bright); NK p30+; NK p44+; NK p46+; NKT-like-Cells.</p> <p>Population: Lymphocytes; Monocytes; classical Monocytes; non-classical Monocytes; Granulocytes.</p> <p>Marker: HLA-DR on Lymphocytes (% of lymphocytes); CD11a on Granulocytes (% of granulocytes); CD11a on Lymphocytes (% of lymphocytes); CD18 on Granulocytes (% of granulocytes); CD18 on Lymphocytes (% of lymphocytes).</p> <p>Evaluation: Evaluation of B cell maturation; Evaluation of T-Helper Cells; Evaluation of T-Helper cell formation; Evaluation of T-Helper cell subtypes; Evaluation of cytotoxic T cell formation; Evaluation of cytotoxic T-Cells; Evaluation of regulatory T-Helper Cells.</p>
-------------------	-------------	-----	--

Field: Microbiology (MB)

Testing area (MB)	Matrices	EQA-Nr.	Analyte
Bacterial genome detection	microbiological samples	530	Chlamydia trachomatis, Neisseria gonorrhoeae
		531	Chlamydia trachomatis
		532	Bordetella pertussis
		533	Helicobacter pylori
		534	EHEC / STEC
		535	Borrelia burgdorferi
		536	Legionella pneumophila, Legionella spp.
		537	Salmonella enterica
		538	Listeria spp.
		539	MRSA / cMRSA
		540	Chlamydia pneumoniae
		541	Mycoplasma pneumoniae
		542	Bacillus anthracis, Coxiella burnetii
		543	Brucella spp., Francisella tularensis
		544	Carbapenemases
		545	Clostridium difficile toxin-genes
		546	Vancomycin resistant enterococci (VRE)
		547	
548 Aeromonas spp., Campylobacter spp., Clostridium difficile (toxinogen), Enterococci (EHEC / STEC), Enteroinvasive E. coli (EIEC), Enteropathogenic E. coli (EPEC), Enterotoxigenic E. coli (ETEC), Escherichia coli O157, Plesiomonas spp., Salmonella spp., Shigella / EIEC, Shigella spp., Vibrio spp., Yersinia enterocolitica			
Bacteriological infection serology	Serum	310	AB against Tetanus toxoid (qualitative), AB against Tetanus toxoid (semiquantitative), diagnostic comment
		311	AB against Cardiopalin (qualitative), AB against Cardiopalin (semiquantitative), AB against Treponema pallidum IgG (qualitative), AB against Treponema pallidum IgM (qualitative), AB against Treponema pallidum polyvalent (qualitative), FTA-Abs 19S-IgM (qualitative), FTA-Abs 19S-IgM (semiquantitative), FTA-Abs IgG (qualitative), FTA-Abs IgG (semiquantitative), TPHA (qualitative), TPHA (semiquantitative), TPPA (qualitative), TPPA (semiquantitative), Treponema pallidum IgG - Immunoblot, Treponema pallidum IgM - Immunoblot, diagnostic comment

Testing area (MB)	Matrices	EQA-Nr.	Analyte
Bacteriological infection serology	Serum	312	AB against Chlamydia trachomatis IgA (qualitative), AB against Chlamydia trachomatis IgA - Immunoblot, AB against Chlamydia trachomatis IgA - MIF (qualitative), AB against Chlamydia trachomatis IgA - MIF (semiquantitative), AB against Chlamydia trachomatis IgG (qualitative), AB against Chlamydia trachomatis IgG - Immunoblot, AB against Chlamydia trachomatis IgG - MIF (qualitative), AB against Chlamydia trachomatis IgG - MIF (semiquantitative), AB against Chlamydia trachomatis IgM (qualitative), AB against Chlamydia trachomatis IgM - Immunoblot, AB against Chlamydia trachomatis IgM - MIF (qualitative), AB against Chlamydia trachomatis IgM - MIF (semiquantitative), diagnostic comment
		314	AB against Chlamydia pneumoniae IgA (qualitative), AB against Chlamydia pneumoniae IgA - Immunoblot, AB against Chlamydia pneumoniae IgA - MIF (qualitative), AB against Chlamydia pneumoniae IgA - MIF (semiquantitative), AB against Chlamydia pneumoniae IgG (qualitative), AB against Chlamydia pneumoniae IgG - Immunoblot, AB against Chlamydia pneumoniae IgG - MIF (qualitative), AB against Chlamydia pneumoniae IgG - MIF (semiquantitative), AB against Chlamydia pneumoniae IgM (qualitative), AB against Chlamydia pneumoniae IgM - Immunoblot, AB against Chlamydia pneumoniae IgM - MIF (qualitative), AB against Chlamydia pneumoniae IgM - MIF (semiquantitative), diagnostic comment
		315	AB against Yersinia IgA (qualitative), AB against Yersinia IgG (qualitative), AB against Yersinia IgM (qualitative), AB against Yersinia enterocolitica O3 (qualitative), AB against Yersinia enterocolitica O3 (semiquantitative), AB against Yersinia enterocolitica O9 (qualitative), AB against Yersinia enterocolitica O9 (semiquantitative), AB against Yersinia pseudotuberculosis (qualitative), AB against Yersinia pseudotuberculosis (semiquantitative), diagnostic comment
		317	AB against Bordetella pertussis IgA (qualitative), AB against Bordetella pertussis IgA - Immunoblot, AB against Bordetella pertussis IgG (qualitative), AB against Bordetella pertussis IgG - Immunoblot, AB against Bordetella pertussis IgM (qualitative), AB against Bordetella pertussis IgM - Immunoblot, diagnostic comment
		318	AB against Diphtherie toxoid (qualitative), AB against Diphtherie toxoid (semiquantitative), diagnostic comment
		319	AB against Campylobacter IgA (qualitative), AB against Campylobacter IgG (qualitative), AB against Campylobacter IgM (qualitative), diagnostic comment
		320	Procalcitonin (qual.), Procalcitonin (quant.), Procalcitonin (semi-quant.), diagnostic comments
		321	anti-Streptodornase (aDNase) (qual.), anti-Streptodornase (aDNase) (quant.), anti-Streptodornase (aDNase) (semi-quant.), anti-Streptolysin O (ASO) (qual.), anti-Streptolysin O (ASO) (quant.), anti-Streptolysin O (ASO) (semi-quant.)
		323	Auto-Antibodies against RF (qual.), Rheumatoid factor (RF) (quant.)
		324	AB against Mycoplasma pneumoniae IgA (qualitative), AB against Mycoplasma pneumoniae IgG (qualitative), AB against Mycoplasma pneumoniae IgM (qualitative), AB against Mycoplasma pneumoniae polyvalent (qualitative), diagnostic comment

Testing area (MB)	Matrices	EQA-Nr.	Analyte
Bacteriological infection serology	Serum	325	AB against Coxiella burnetii IgA (qualitative), AB against Coxiella burnetii IgA - IFT (qualitative), AB against Coxiella burnetii IgA - IFT (semiquantitative), AB against Coxiella burnetii IgG - Phase I (qualitative), AB against Coxiella burnetii IgG - Phase I - IFT (qualitative), AB against Coxiella burnetii IgG - Phase I - IFT (semiquantitative), AB against Coxiella burnetii IgG - Phase II (qualitative), AB against Coxiella burnetii IgG - Phase II (semiquantitative), AB against Coxiella burnetii IgM (qualitative), AB against Coxiella burnetii IgM - IFT (qualitative), AB against Coxiella burnetii IgM - IFT (semiquantitative), diagnostic comment
		326	AB against Bartonella IgA (qualitative), AB against Bartonella IgG (qualitative/semiquantitative), AB against Bartonella IgM (qualitative/semiquantitative), AB against Brucella polyvalent (qualitative), diagnostic comment
		327	AB against Brucella IgG (qualitative), AB against Brucella IgM (qualitative), AB against Brucella polyvalent (qualitative), diagnostic comment
		328	AB against Francisella tularensis IgA (qualitative), AB against Francisella tularensis IgG (qualitative), AB against Francisella tularensis IgG (semiquantitative), AB against Francisella tularensis IgM (qualitative), AB against Francisella tularensis IgM (semiquantitative), AB against Francisella tularensis polyvalent (qualitative), AB against Francisella tularensis polyvalent (semiquantitative), diagnostic comment
		329	AB against Leptospira IgG (qualitative), AB against Leptospira IgM (qualitative), AB against Leptospira polyvalent (qualitative), diagnostic comment
		330	AB against Rickettsia IgG (qualitative), AB against Rickettsia IgG (semiquantitative), AB against Rickettsia IgM (qualitative), AB against Rickettsia IgM (semiquantitative), AB against Rickettsia polyvalent (qualitative), diagnostic comment
		331	AB against Salmonella Gruppe A, O-Antigen (qualitative), AB against Salmonella Gruppe A, O-Antigen (semiquantitative), AB against Salmonella Gruppe B, O-Antigen (qualitative), AB against Salmonella Gruppe B, O-Antigen (semiquantitative), AB against Salmonella Gruppe C, O-Antigen (qualitative), AB against Salmonella Gruppe C, O-Antigen (semiquantitative), AB against Salmonella IgA (qualitative), AB against Salmonella IgG (qualitative), AB against Salmonella IgM (qualitative), AB against Salmonella enteritidis, OH-Antigen (qualitative), AB against Salmonella enteritidis, OH-Antigen (semiquantitative), AB against Salmonella paratyphi B, OH-Antigen (qualitative), AB against Salmonella paratyphi B, OH-Antigen (semiquantitative), AB against Salmonella polyvalent (qualitative), AB against Salmonella typhi, O-Antigen (qualitative), AB against Salmonella typhi, O-Antigen (semiquantitative), AB against Salmonella typhi, OH-Antigen (qualitative), AB against Salmonella typhi, OH-Antigen (semiquantitative), AB against Salmonella typhimurium, OH-Antigen (qualitative), AB against Salmonella typhimurium, OH-Antigen (semiquantitative), diagnostic comment
		332	AB against Borrelia burgdorferi IgG (qualitative), AB against Borrelia burgdorferi IgG - Blot, AB against Borrelia burgdorferi IgM (qualitative), AB against Borrelia burgdorferi IgM - Blot, AB against Borrelia burgdorferi polyvalent (qualitative), diagnostic comment
		334	AB against Helicobacter pylori IgA (qualitative), Helicobacter pylori IgG (qualitative), diagnostic comment

Testing area (MB)	Matrices	EQA-Nr.	Analyte
Bacteriological infection serology	Urine	313	Chlamydia trachomatis Antigen (qualitative), diagnostic comment
		316	Chlamydia trachomatis Antigen (qualitative), diagnostic comment
Conventional bacteriology	microbiological samples	411	Cultivation, identification and sensitivity testing of bacteria, Gram staining
		412	Cultivation, identification and sensitivity testing of bacteria, Gram staining
		413	Gram staining
Human microbiome	feces	580	analysis of the human microbiom (next generation sequencing)
Mycobacteriology	microbiological samples	421	Microscopic Detection of Mycobacteria
		423	Identification of Mycobacteria
		425	Susceptibility Testing of Tuberculosis Bacteria
		426	Susceptibility Testing of Tuberculosis Bacteria
	sputum specimens	427	Susceptibility Testing of nontuberculous mycobacteria
		422	Cultivation of Mycobacteria, Differentiation of tuberculosis bacteria
		424	Mycobacterium tuberculosis, genome detection
Mycology	CSF, serum	481	Mycoserology - Cryptococcosis
	microbiological samples	490	Cultivation and identification of fungi as (opportunistic) pathogens of mycoses of organs, mucous membranes, systems or injuries as well as typical contaminants in the corresponding examination materials
		491	Identification
		492	Genome detection of dermatophytes
		560	Pneumocystis jirovecii
	serum	480	Candida Antigen, Candida IgA, Candida IgA (qual), Candida IgG, Candida IgG (qual), Candida IgM, Candida IgM (qual), Candida antigen (qual), Candida total AB, Candida total AB (qual), Mycoserology - Cryptococcosis
	Parasite diagnostics	amniotic fluid, EDTA blood	457
feces		458	Cryptosporidium spp. (DNA) - qualitative, Entamoeba histolytica (DNA) - qualitative, Giardia duodenalis (DNA) - qualitative
		907	Stool parasites – specification
plasma, serum		452	AB against Toxoplasma gondii (IgA, IgG, IgM - qualitative), AB against Toxoplasma gondii polyvalent (qualitative), Toxoplasma gondii IgG avidity (Immunoblot), Toxoplasma gondii IgG avidity (qualitative), diagnostic comment
		454	AB against Plasmodium IgG (qualitative, semiquantitative), AB against Plasmodium falciparum IgG (qualitative, semiquantitative) (qualitative, semiquantitative), AB against Plasmodium falciparum polyvalent (qualitative, semiquantitative), AB against Plasmodium polyvalent (qualitative, semiquantitative), AB against Schistosoma IgG(qualitative, semiquantitative), AB against Schistosoma IgM (qualitative, semiquantitative), AB against Schistosoma polyvalent , diagnostic comment of a plasmodia infection, diagnostic comment of a schistosoma infection

Testing area (MB)	Matrices	EQA-Nr.	Analyte
Parasite diagnostics	plasm, serum	455	AB against Echinococcus granulosus (qualitative), AB against Echinococcus granulosus (semiquantitative), AB against Echinococcus multilocularis (qualitative), AB against Echinococcus multilocularis (semiquantitative), AB against Entamoeba histolytica, IgG (qualitative), AB against Entamoeba histolytica, IgG (semiquantitative), AB against Entamoeba histolytica, IgM (qualitative), AB against Entamoeba histolytica, IgM (semiquantitative), AB against Entamoeba histolytica, polyvalent (qualitative), AB against Entamoeba histolytica, polyvalent (semiquantitative), AB screening against Echinococcus, IgG (qualitative), AB screening against Echinococcus, IgG (semiquantitative), AB screening against Echinococcus, polyvalent (qualitative), AB screening against Echinococcus, polyvalent (semiquantitative), diagnostic comment of an amoeba infection, diagnostic comment of an echinococcus infection
	whole blood	456	Blood parasites - species, Parasitemia (only for P. falciparum) - (absolute), Parasitemia (only for P. falciparum) - (percentage)
		906	Blood parasites - species, Parasitemia (only for P. falciparum) - (percentage)

Field: Molecular Genetics (MG)

Testing area (MG)	Matrices	EQA-Nr.	Analyte
Conventional genetics	genomic DNA	701	FLT3 internal tandem duplication
		739	Collagen Receptor GP Ia/IIa (C 807 T)
		740	Factor V-Leiden
		741	HFE: C 282 Y, HFE: H 63 D, HFE: S 65 C
		742	UDP-G1 UGT1A1*28, UDP-G1 UGT1A1*6, UDP-glucuronyl transferase (TA)6, (TA)7
		743	alpha-1 antitrypsin Z-Locus, alpha1-antitrypsin S-Locus
		744	Apo E (genotypes 2, 3, 4)
		745	ATP 7 B: H 1069 Q
		746	Prothrombin G20210A
		747	MTHFR (A 1298 C), MTHFR (C 677 T)
		748	Plasminogenactivator-Inhibitor (PAI-1): 4G, 5G
		749	Fibrinogen Receptor HPA: 1a, 1b
		752	BRAF V600-variant(s), EGFR T790M-variant(s), ESR1-variant(s), KRAS Codon 12-variant(s), KRAS Codon 13-variant(s), KRAS Codon 61-variant(s), NRAS Codon 61-variant(s), PIK3CA-variant(s)
		762	DPYD-Gene, DPYD-gene (dihydropyrimidine dehydrogenase)
		763	ACE gene (ACE insertions/ deletions (I/D) polymorphism)
		764	CCR5-Gen (C-C Motif Chemokine Receptor 5)
		770	Laktase-Gene (LCT) (-13910 C>T; HGVS: c.1917+326C>T)
		771	Apo B-100 (R3500Q; R3500W)
		773	Analysis of the CYP21A2 gene, Interpretation of results
		774	Interpretation of results, NOD2 Nomenclature amino acid, NOD2 Nomenclature cDNA, NOD2 mutation(s)
		775	CYP2C19*2 Allele: G 681 A, CYP2C19*3 Allele: G 636 A, CYP2C9*2 Allele: C 430 T, CYP2C9*3 Allele: A 1075 C, TPMT (nt. A 719 G), TPMT (nt. G 460 A), TPMT*2 Allele (nt. G 238 C), VKORC1: C 1173 T, VKORC1: G -1639 A
		777	CYP2D6 Gene Duplication, CYP2D6*3: A2637 del, CYP2D6*4: G 1934 A, CYP2D6*5: complete Deletion, CYP2D6*6: T1795 del, DPD (exon 14 skipping), IL-28B C/T: rs 12979860
		778	CFTR gene
		779	BRCA1 mutation type, BRCA2 mutation type, Interpretation of results
		780	Analysis of the DMD gene, Interpretation of results
		781	Allele 1: FMR1 CGG repeats in 5' UTR , Allele 2: FMR1 CGG repeats in 5' UTR , FMR1 gene - evaluation / Allele 1, FMR1 gene - evaluation / Allele 2
		782	Analysis of the GJB2 gene, Analysis of the GJB6 gene, Interpretation of results

Testing area (MG)	Matrices	EQA-Nr.	Analyte	
Conventional genetics	genomic DNA	783	MLH1 Classification, MLH1 Zygoty, MLH1 c.-position according to HGVS, MLH1 p.-position according to HGVS, MSH2 Classification, MSH2 Zygoty, MSH2 c.-position according to HGVS, MSH2 p.-position according to HGVS, MSH6 Classification, MSH6 Zygoty, MSH6 c.-position according to HGVS, MSH6 p.-position according to HGVS, PMS2 Classification, PMS2 Zygoty, PMS2 c.-position according to HGVS, PMS2 p.-position according to HGVS	
		784	HTT Gen - CAG repeats allele 1, HTT Gen - CAG repeats allele 2, HTT Gen - evaluation allele 1, HTT Gen - evaluation allele 2	
		786	Methylation analysis, deletion analysis - maternal allele, deletion analysis - paternal allele	
		787	SMN1 Gen - exon 7 copy number, SMN1 Gen - exon 8 copy number, SMN2 Gen - exon 7 copy number, SMN2 Gen - exon 8 copy number	
		790	Interpretation of results	
		791	Interpretation of results	
		792	Interpretation of results	
		793	Aldolase B: A 149 P, Aldolase B: A 174 D, Aldolase B: N 334 K	
		794	Analysis of alpha-globin chains with GAP-PCR, Analysis of alpha-globin chains with MLPA / CNV-NGS, Analysis of alpha-globin chains with probe-based hybridization assay, Analysis of alpha-globin chains with sequencing, Analysis of beta-globin chains with GAP-PCR, Analysis of beta-globin chains with MLPA / CNV-NGS, Analysis of beta-globin chains with probe-based hybridization assay, Analysis of beta-globin chains with sequencing, Report, alpha-Globin - Evaluation, alpha-Globin - Genotype, beta-Globin - Evaluation, beta-Globin - Genotype	
		plasma	727	Determination of fetal rhesus factor
			728	Aneuploidy, Determination of fetal fraction, Determination of fetal sex
		whole blood	726	UDP-G1 UGT1A1*28, UDP-G1 UGT1A1*6
			730	Factor V-Leiden
	731		Prothrombin G20210A	
	732		MTHFR (C 677 T)	
	733		HFE: C 282 Y, HFE: H 63 D, HFE: S 65 C	
	734		Apo E (genotypes 2, 3, 4)	
	735		Plasminogenactivator-Inhibitor (PAI-1): 4G, 5G	
	618		recipient cells (donor/recipient cells in %)	
	Engraftment- and chimerism ciagnostics	whole blood	618	recipient cells (donor/recipient cells in %)
Immunogenetics	whole blood	442	HLA-A typing of DNA (low resolution), HLA-B typing of DNA (low resolution), HLA-C typing of DNA (low resolution), HLA-DPA1 typing of DNA (low resolution), HLA-DPB1 typing of DNA (low resolution), HLA-DQA1 typing of DNA (low resolution), HLA-DQB1 typing of DNA (low resolution), HLA-DRB 1 typing of DNA (low resolution), HLA-DRB 3,4,5 typing of DNA (low resolution), HLA-DRB 3,4,5 typing of DNA (phenotypic)	

Testing area (MG)	Matrices	EQA-Nr.	Analyte
Immunogenetics	whole blood	444	HLA-A typing of DNA (high resolution), HLA-B 57:01 typing of DNA, HLA-B typing of DNA (high resolution), HLA-C typing of DNA (high resolution), HLA-DPA1 typing of DNA (high resolution), HLA-DPB1 typing of DNA (high resolution), HLA-DQA1 typing of DNA (high resolution), HLA-DQB1 typing of DNA (high resolution), HLA-DRB 3/4/5 DNA-Typisierung (high resolution), HLA-DRB1 typing of DNA (Shared Epitope), HLA-DRB1 typing of DNA (high resolution)
		772	HLA DQA1*05, HLA DQB1*02, HLA DQB1*03:02
Immunohematology	genomic DNA	235	ABO, CO, DI, DO, FY, HNA -1 -3 -4, HNA -5, HPA -1 -2 -3 -5 -15, HPA -4, HPA -6, HPA -9, JK, KEL (Js(a), Js(b)), KEL (Kp(a), Kp(b)), KEL (k/K), KN, LU, LW, MNS, RHCE, RHD, RHD Zygote, VEL, YT
	plasma, serum	233	DNA based typing of HPA-15a/15b, DNA based typing of HPA-1a/1b, HPA-2a/2b, HPA-3a/3b and HPA-5a/5b, HPA-1a, serological
Oncology	genomic DNA	706	Interpretation of results, MEFV mutation(s), MEFV nomenclature amino acid, MEFV nomenclature cDNA, MVK mutation(s), MVK nomenclature amino acid, NLRP3 mutation(s), NLRP3 nomenclature amino acid, NLRP3 nomenclature cDNA, TNFRSF1A mutation(s), TNFRSF1A nomenclature amino acid, TNFRSF1A nomenclature cDNA
		738	Analysis of the RET gene, Interpretation of results
		765	TP53 Mutation(s), TP53 Nomenclature amino acid, TP53 Nomenclature cDNA
		766	MYD88 p.L265P Mutation
		767	KIT p.D816V Mutation
		768	CALR Exon 9 Mutation(s), CALR Nomenclature amino acid, CALR Nomenclature cDNA, JAK2 Exon 12 mutation, JAK2 Exon 12 nomenclature amino acid, JAK2 Exon 12 nomenclature cDNA, JAK2 p.V617F Mutation, MPL Nomenclature amino acid, MPL Nomenclature cDNA, MPL p.W515 Mutation
		769	STAT3 Exon 21 Mutation(s), STAT3 Nomenclature amino acid, STAT3 Nomenclature cDNA
		795	BRAF Nomenclature amino acid, BRAF Nomenclature cDNA, BRAF p.V600 Mutation
		796	BTK Nomenclature amino acid, BTK Nomenclature cDNA, BTK p.C481 Mutation
		797	SF3B1 Exon 14-15 Mutation(s), SF3B1 Nomenclature amino acid, SF3B1 Nomenclature cDNA
		798	ASXL1 (Exon 13) Mutation(s), ASXL1 Nomenclature amino acid, ASXL1 Nomenclature cDNA, CEBPA (CDS) Mutation(s), CEBPA Nomenclature amino acid, CEBPA Nomenclature cDNA, FLT3 (TKD, Exon 20) Mutation(s), FLT3 Nomenclature amino acid, FLT3 Nomenclature cDNA, IDH1 (Exon 4) Mutation(s), IDH1 Nomenclature amino acid, IDH1 Nomenclature cDNA, IDH2 (Exon 4) Mutation(s), IDH2 Nomenclature amino acid, IDH2 Nomenclature cDNA, NPM1 (Exon 11) Mutation(s), NPM1 Nomenclature amino acid, NPM1 Nomenclature cDNA, RUNX1 (CDS) Mutation(s), RUNX1 Nomenclature amino acid, RUNX1 Nomenclature cDNA, TP53 (CDS) Mutation(s), TP53 Nomenclature amino acid, TP53 Nomenclature cDNA

Field: Transfusion medicine (TM)

Testing area (TM)	Matrices	EQA-Nr.	Analyte
Immunoematology	plasma	234	Detection of granulocyte alloantibodies, Granulocyte antibodies (HNA-5), Molecular typing of alleles associated with granulocyte antigen HNA-5, Molecular typing of alleles associated with granulocyte antigens HNA-1a/b/c, HNA-3a/b and HNA-4a/b
	whole blood	237	A - Subtyping, ABO characteristics, Rhesus type D, Antibody ID, Antibody Screening, Direct Antiglobulin Test, Kell antigen, Rh - Subtyping (without Cw)
		238	A - Subtyping, AB quantitation, ABO characteristics, Rhesus type D, Antibody ID, Antibody Screening, Direct Antiglobulin Test, Kell antigen, Rh - Subtyping (without Cw)
	whole blood, serum	231	A - Subtyping, ABO characteristics, Rhesus type D, Antibody Screening, Direct Antiglobulin Test, Kell antigen, Rh - Subtyping (without Cw)
		232	A - Subtyping, AB quantitation, ABO characteristics, Rhesus type D, Antibody ID, Antibody Screening, Direct Antiglobulin Test, Kell antigen, Rh - Subtyping (without Cw)
		239	Antibody Screening, Blood type check (ABO without isoagglutinins, RhD), Cross-match

Field: Virus Diagnostics (VD)

Testing area (VD)	Matrices	EQA-Nr.	Analyte
Virus Genome Detection	feces	380	HEV (RNA) - qualitative, HEV (RNA) - quantitative
		381	Norovirus (RNA) genogroup I - qualitative, Norovirus (RNA) genogroup I - quantitative, Norovirus (RNA) genogroup II - qualitative, Norovirus (RNA) genogroup II - quantitative, Norovirus (RNA) without differentiation of genogroups - qualitative, Norovirus (RNA) without differentiation of genogroups - quantitative
		401	Rotaviruses (RNA) - qualitative, Rotaviruses (RNA) - quantitative, Rotaviruses (RNA) - type identification
		430	Astroviruses (RNA) - qualitative, Detection of gastrointestinal viruses, Enteroviruses (RNA) - qualitative, Gastrointestinal adenoviruses (DNA) - qualitative, Noroviruses (RNA) - qualitative, Parechoviruses (RNA) - qualitative, Rotaviruses (RNA) - qualitative, Sapoviruses (RNA) - qualitative
	microbiological samples	340	Coronavirus (RNA) - qualitative without differentiation, MERS coronavirus (RNA) - qualitative, MERS coronavirus (RNA) - quantitative, Other human coronaviruses (RNA) - qualitative, Other human coronaviruses (RNA) - quantitative, SARS-CoV-2 (RNA) - qualitative, SARS-CoV-2 (RNA) - quantitative
		349	CMV-resistance determination - UL54 gene, CMV-resistance determination - UL97 gene, CMV-resistance determination - determination of resistance-associated mutations UL54 gene, CMV-resistance determination - determination of resistance-associated mutations UL97 gene, CMV-resistance determination - evaluation of the sequence quality UL54 gene, CMV-resistance determination - evaluation of the sequence quality UL97 gene, CMV-resistance determination - genotypic resistance determination - UL54 gene, CMV-resistance determination - genotypic resistance determination - UL97 gene, CMV-resistance determination - nucleotide sequence UL54 gene, CMV-resistance determination - nucleotide sequence UL97 gene
		359	RSV (RNA) - qualitative, RSV (RNA) - quantitative, RSV antigen
		370	Influenza A and B viruses antigen - qualitative, Influenza A and B viruses combined detection - qualitative, Influenza A viruses - qualitative, Influenza A viruses - quantitative, Influenza B viruses - qualitative, Influenza B viruses - quantitative, Qualitative detection of avian influenza A(H5Nx) virus with primers/probes specific for H5Nx or H5, Qualitative detection of avian influenza A(H7N9) virus with primers/probes specific for H7N9 or H7, Qualitative detection of influenza A(H1N1) pdm09 virus with primers/probes specific for H1N1 or H1, Subtyping of seasonal influenza A viruses
		371	Adenoviruses (DNA) - qualitative, Adenoviruses (DNA) - quantitative, Adenoviruses (DNA) - species identification, Adenoviruses (DNA) - type identification
		372	Enteroviruses (RNA) - qualitative, Enteroviruses (RNA) - quantitative, Enteroviruses (RNA) - type identification
		373	Detection of "High Risk" HPV (without detection of "Low Risk" HPV), Differentiation of "High Risk" and "Low Risk" types of HPV, Typing of "High Risk" HPV (without detection of "Low Risk" HPV), Typing of "High Risk" HPV and "Low Risk" HPV, Typing of "High Risk" HPV and detection of "Low Risk" HPV (without typing)

Testing area (VD)	Matrices	EQA-Nr.	Analyte
Virus Genome Detection	microbiological samples	375	HCV - geno-/subtyping
		385	HMPV (RNA) - qualitative, HMPV (RNA) - quantitative
		386	Measles virus (RNA) - qualitative, Measles virus (RNA) - quantitative, Measles virus (RNA) - type identification
		387	Mumps virus (RNA) - quantitative, Mumps virus (RNA) - qualitative, Mumps virus (RNA) - type identification
		388	Parainfluenza viruses (RNA) - qualitative, Parainfluenza viruses (RNA) - quantitative, Parainfluenza viruses (RNA) - type identification
		389	Rubella virus (RNA) - qualitative, Rubella virus (RNA) - quantitative, Rubella virus (RNA) - type identification
		390	Rabies virus (RNA) - qualitative
		391	WNV (RNA) - lineage identification, WNV (RNA) - qualitative, WNV (RNA) - quantitative
		392	CHIKV (RNA) - qualitative, CHIKV (RNA) - quantitative
		393	HRV (RNA) - qualitative, HRV (RNA) - quantitative, HRV (RNA) - type identification
		405	HHV-6 (DNA) - qualitative, HHV-6 (DNA) - quantitative
		406	HHV-8 (DNA) - qualitative, HHV-8 (DNA) - quantitative
		407	Parechovirus (RNA) - qualitative, Parechovirus (RNA) - quantitative
		409	SARS-CoV-2 (RNA) - qualitative, SARS-CoV-2 (RNA) - quantitative
		410	SARS-CoV-2 antigen (Rapid Test), SARS-CoV-2 antigen (automated immunoassay)
		418	MPXV (DNA) - qualitative, MPXV (DNA) - quantitative, MPXV (DNA) - typing, Orthopox virus (DNA) - qualitative, Orthopox virus (DNA) - quantitative, Orthopox virus (DNA) - type identification, evaluation of the sequence quality, nucleotide sequence
		431	Bocaviruses (DNA) - qualitative, Coronaviruses (RNA) - qualitative, Detection of respiratory viruses, Enteroviruses (RNA) - qualitative, Enteroviruses / human rhinoviruses (without differentiation) (RNA) - qualitative, Human metapneumoviruses (RNA) - qualitative, Human rhinoviruses (RNA) - qualitative, Influenza A viruses (RNA) - qualitative, Influenza B viruses (RNA) - qualitative, Influenza viruses (RNA) - without differentiation, Parainfluenza viruses (RNA) - qualitative, Parechoviruses (RNA) - qualitative, Respiratory adenoviruses (DNA) - qualitative, Respiratory syncytial viruses (RNA) - qualitative, SARS-CoV-2 (RNA) - qualitative
		432	Detection of respiratory viruses, Influenza A viruses (RNA) - qualitative, Influenza B viruses (RNA) - qualitative, Influenza viruses (RNA) - without differentiation, Respiratory syncytial viruses (RNA) - qualitative, SARS-CoV-2 (RNA) - qualitative
		433	Adenoviruses (DNA) - qualitative, CMV (DNA) - qualitative, Detection of meningitis / encephalitis viruses, EBV (DNA) - qualitative, Enteroviruses (RNA) - qualitative, HHV 6 (DNA) - qualitative, HSV 1 (DNA) - qualitative, HSV 2 (DNA) - qualitative, Parechoviruses (RNA) - qualitative, VZV (DNA) - qualitative

Testing area (VD)	Matrices	EQA-Nr.	Analyte
Virus Genome Detection	plasma	360	HIV-1 (RNA) - qualitative, HIV-1 (RNA) - quantitative
		367	Parvovirus B19 (DNA) - qualitative, Parvovirus B19 (DNA) - quantitative
		408	TTV (DNA) - qualitative, TTV (DNA) - quantitative
	plasma, genomic DNA	383	HIV-resistance determination, HIV-resistance determination - determination of resistance-associated mutations (PR/RT), HIV-resistance determination - evaluation of the sequence quality (PR/RT), HIV-resistance determination - genotypic resistance determination, HIV-resistance determination - nucleotide sequence (PR/RT)
	plasma, microbiological samples	403	Zika virus (RNA) - lineage identification, Zika virus (RNA) - qualitative, Zika virus (RNA) - quantitative
	plasma, nucleic acid extracts	404	BoDV (RNA) - qualitative, BoDV (RNA) - quantitative, Bornavirus (RNA) - qualitative without differentiation, Bornavirus (RNA) - quantitative without differentiation, VSBV (RNA) - qualitative, VSBV (RNA) - quantitative
	plasma, serum	361	HBV (DNA) - qualitative, HBV (DNA) - quantitative
		362	HCV (RNA) - qualitative, HCV (RNA) - quantitative
		395	HIV-2 (RNA) - qualitative, HIV-2 (RNA) - quantitative
		396	HBV - genosubtyping, HBV - genotyping
		397	HBV-resistance determination, HBV-resistance determination - HBsAg-Escape-mutations, HBV-resistance determination - determination of resistance-associated mutations, HBV-resistance determination - determination of the HBV-genotyp, HBV-resistance determination - evaluation of the sequence quality, HBV-resistance determination - genotypic resistance determination, HBV-resistance determination - nucleotide sequence
		399	HCV-resistance determination: NS5A-region, resistance-associated mutations NS5A-region, HCV-genotype (NS5A), evaluation of the sequence quality NS3-region, evaluation of the sequence quality NS5A-region, genotypic resistance determination - NS5A region, nucleotide sequence NS5A-region
		400	HDV (RNA) - qualitative, HDV (RNA) - quantitative
	plasma, serum, microbiological samples	363	HSV (DNA) - qualitative without differentiation of HSV 1 and HSV 2, HSV (DNA) - quantitative without differentiation of HSV 1 and HSV 2, HSV 1 (DNA) - qualitative, HSV 1 (DNA) - quantitative, HSV 2 (DNA) - qualitative, HSV 2 (DNA) - quantitative
		365	CMV (DNA) - qualitative, CMV (DNA) - quantitative
		366	VZV (DNA) - qualitative, VZV (DNA) - quantitative
		368	CMV (DNA) - qualitative, CMV (DNA) - quantitative
		369	Dengue virus (RNA) - qualitative, Dengue virus (RNA) - quantitative, Dengue virus (RNA) - type identification
	plasma, urine	364	BK virus (DNA) - qualitative, BK virus (DNA) - quantitative

Testing area (VD)	Matrices	EQA-Nr.	Analyte		
Virus Genome Detection	plasma, serum	376	EBV (DNA) - qualitative, EBV (DNA) - quantitative		
		377	HAV (RNA) - qualitative, HAV (RNA) - quantitative		
		378	HBV (DNA) - qualitative, HBV (DNA) - quantitative		
		379	HCV (RNA) - qualitative, HCV (RNA) - quantitative		
		382	HIV-1 (RNA) - qualitative, HIV-1 (RNA) - quantitative		
		384	HIV-resistance determination - Interpretation on tropism, HIV-resistance determination - determination of resistance-associated mutations (INT), HIV-resistance determination - determination of the amino acid sequence in the V3-Loop (TROP), HIV-resistance determination - evaluation of the sequence quality (INT), HIV-resistance determination - evaluation of the sequence quality (TROP), HIV-resistance determination - genotypic resistance determination (INT), HIV-resistance determination - integrase inhibitors, HIV-resistance determination - nucleotide sequence (INT), HIV-resistance determination - nucleotide sequence (TROP), HIV-resistance determination - tropism		
Virus immunology	Whole blood, Plasma, Serum, CFS, urine	394	JC virus (DNA) - qualitative, JC virus (DNA) - quantitative		
		plasma, serum	335	Confirmation test (blot and other confirmatory test) anti-HIV-1, Confirmation test (blot and other confirmatory test) anti-HIV-1 / anti-HIV-2, Confirmation test (blot and other confirmatory test) anti-HIV-2, Screening test anti-HIV-1 / anti-HIV-2 (3rd and 4th generation)	
			336	Anti-rabies virus	
			339	Confirmation test (blot and other confirmatory test) anti-HTLV-1 / anti-HTLV-2, Screening test anti-HTLV-1 / anti-HTLV-2	
			342	Anti-parvovirus B19 IgG, Anti-parvovirus B19 IgG - avidity, Anti-parvovirus B19 IgM	
			346	Complementary test (blot) anti-HCV, HCV antigen, Screening test anti-HCV and combined detection anti-HCV and HCV antigen	
			347	Anti-HDV IgG / Anti-HDV total, Anti-HDV IgM	
			415	Anti-borna virus IgG	
			416	Anti-SARS-CoV-2 IgA, Anti-SARS-CoV-2 IgG, Anti-SARS-CoV-2 IgG avidity, Anti-SARS-CoV-2 IgM, Anti-SARS-CoV-2 Surrogate neutralizing antibodies, Anti-SARS-CoV-2 total (without differentiation of IgG, IgA and IgM)	
			serum	337	HIV-1 p24 Ag, HIV-1 p24 Ag confirmation test
				338	Anti-ZIKV IgG, Anti-ZIKV IgG - avidity, Anti-ZIKV IgM
				341	Anti-rubella virus IgG, Anti-rubella virus IgG - avidity, Anti-rubella virus IgM, Rubella hemagglutination inhibition test (RUB-HIT)
				343	Anti-HAV IgG / Anti-HAV total, Anti-HAV IgM

Testing area (VD)	Matrices	EQA-Nr.	Analyte
Virus immunology	serum	344	Anti-HBc, Anti-HBs, HBsAg (confirmation test), HBsAg (qualitative and results in IU/ml), HBsAg (qualitative)
		345	Anti-HBc IgM, Anti-HBe, HBeAg
		348	Anti-HEV IgG, Anti-HEV IgM
		350	Anti-dengue virus IgG, Anti-dengue virus IgM, Clinical interpretation, Dengue virus-NS1 Ag
		351	Anti-CMV IgG, Anti-CMV IgG - avidity, Anti-CMV IgM
		352	Anti-EA, Anti-EA IgA, Anti-EA IgG, Anti-EA IgM, Anti-EBNA 1 IgG, Anti-EBNA 1 IgG - avidity, Anti-EBNA 1+2 IgG, Anti-EBNA IgM, Anti-EBNA total IgG, Anti-EBV IgA, Anti-EBV IgG, Anti-EBV IgG - avidity, Anti-EBV IgM, Anti-VCA IgA, Anti-VCA IgG, Anti-VCA IgG - avidity, Anti-VCA IgM, Clinical interpretation, EBV - heterophilic antibodies, Strip immunoblot anti-EBV IgA, Strip immunoblot anti-EBV IgG, Strip immunoblot anti-EBV IgM
		353	Anti-VZV IgG, Anti-VZV IgG - avidity, Anti-VZV IgM
		354	Anti-HSV 1 IgG, Anti-HSV 1 IgG - avidity, Anti-HSV 1 IgM, Anti-HSV 1/2 IgG, Anti-HSV 1/2 IgG - avidity, Anti-HSV 1/2 IgM, Anti-HSV 2 IgG, Anti-HSV 2 IgG - avidity, Anti-HSV 2 IgM
		355	Hantavirus serology (IgG, IgM, IgG/IgM; with/without serotype differentiation): antibodies against Dobrava, Hantaan, Puumala, Seoul, Saaremaa, and Sin Nombre , as well as “other specificity” and “without differentiation of serotype” formats (including combined IgG/IgM reporting). Assay formats: ELISA/IFT/Rapid Test and Immunoblot for IgG and IgM, plus IgG/IgM without differentiation of IgG and IgM. Antigen-/serotype-specific nucleocapsid protein antibodies: ANDV, DobN, HaN, PuN, SeoN, SinN (each IgG and IgM); and Sandfly Fever Virus (SFFV) IgG/IgM. Includes serotype differentiation and status of hantavirus infection (without differentiation of serotype).
		356	Anti-mumps virus IgG, Anti-mumps virus IgG - avidity, Anti-mumps virus IgM
		357	Anti-measles virus IgG, Anti-measles virus IgG - avidity, Anti-measles virus IgM
358	Anti-TBE/FSME virus IgG, Anti-TBE/FSME virus IgG - avidity, Anti-TBE/FSME virus IgM		
402	Anti-CHIKV IgG, Anti-CHIKV IgG - avidity, Anti-CHIKV IgM		