

FB 9.1.2 ESfEQA-Current List of Programs and Analytes in the Flexible Scope of Accreditation



Current List of Programs and Analytes in the Flexible Scope of Accreditation under DIN EN ISO/IEC 17043:2023

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Proficiency testing in the fields of Medical Laboratory Diagnostics

Investigation Fields:

Clinical Chemistry, Microbiology, Virology, Transfusion Medicine

Investigation field: Clinical Chemistry

Testing field	Matrix / Products	Test parameters / Analytes	Proficiency Testing Programs
Biochemistry	Serum, Plasma	Albumin, Alkaline Phosphatase, ALT/GPT, Amylase, Amylase pancreatic, AST/GOT, Bilirubin direct, Bilirubin total, Calcium, Calcium (ionized), Chloride, Cholesterol, Cholinesterase, Creatinkinase, Copper, Creatinine, Gamma-GT, Glucose, HDL-Cholesterol, Iron, Lactate, Lactate-Dehydrogenase, LDLCholesterol, Lipase, Lithium, Magnesium, Phosphate, Potassium, Sodium, TIBC Total Iron Binding Capacity, Total Protein, Triglycerides, Urea, Uric Acid, Zinc	Clinical Chemistry (CC2)
Biochemistry	Serum, Plasma	Glucose	Glucose POC - Whole Blood (GLUWB)
Blood Gas	Aqueous solution	Bicarbonate, Creatinine, Magnesium	Blood Gas and Electrolytes (BG12, BG4)
Cardiac Marker	Serum, Plasma	high-sensitive CRP (hsCRP)	Cardiac Marker (CM12, CM2, CM4)
Drugs of Abuse	Urine	Fentanyl, Ketamine, Phencyclidine, Tramadol	Drugs of Abuse (DAT12, DAT4)
Ethanol, Ammonia and Bicarbonate	Aqueous solution	Ethanol, Ammonia, Bicarbonate	Ethanol, Ammonia and Bicarbonate (ETH12, ETH4)
Erythrocyte sedimentation rate	Whole blood (simulated)	Erythrocyte Sedimentation Rate (ESR)	Erythrocyte sedimentation rate for Alifax analysers (ESRAF), Erythrocyte sedimentation rate for Alcor iSED analysers (ESRAL)
Haematology	Whole blood	Oxyhemoglobin total Hemoglobin, Desoxyhemoglobin,	Co-Oximetry (OXI)

Testing field	Matrix / Products	Test parameters / Analytes	Proficiency Testing Programs
		Carboxyhemoglobin, Methemoglobin	
Haematology	Whole blood	PDW (platelet distribution width)	Hemogram (HEM12, HEM2, HEM4) Hemogram Incl. 3-Part Diff. (HEM3D) Hemogram Incl. 5-Part Diff. (HEM5D12, HEM5D4)
Haematology	Whole blood	RET (reticulocytes)	Hemogram Incl. 5-Part Diff. (HEM5D12, HEM5D4)
Haemostaseology	Plasma	aPTT, Antithrombin III, D-Dimer, Fibrinogen, Prothrombin time, Protein C, Protein S	Coagulation (COA2)
Haemostaseology	Plasma	Thrombin Time	Coagulation (COA12, COA4, COA2)
Haemostaseology	Plasma	Prothrombin Time	Prothrombin Time (INR)-POCT
Hormones	Serum, Plasma	IGF-1	Hormones (HOR12, HOR4) and Tumor Marker/Hormones (TMH12, TMH4, TMH2)
Thyroid Antibodies	Serum, Plasma	Qualitative: anti-TG, Anti-TPO, TRAb	Thyroid Antibodies (ANTI-THYR)

Investigation Field: Microbiology

Testing field	Matrix / Products	Test parameters / Analytes	Proficiency Testing Programs
Serology	Plasma	IgA, IgG, IgM and total antibodies against <i>Aspergillus fumigatus</i>	<i>Aspergillus fumigatus</i> Serology (ASF)
Serology	Plasma	<i>Aspergillus</i> Antigen (Galactomannan)	<i>Aspergillus</i> Galactomannan Antigen (ASPAG)
Bacteriology	Lyophilized bacteria strains	Identification (genus and species), Antimicrobial Susceptibility Testing (AST)	Bacteriology Blood Culture (BACBC), Bacteriology Urine Culture (BACUC)
Serology	Plasma	Bordetella IgA, IgG, IgM, Bordetella Pertussis-Toxin IgA, Bordetella Pertussis-Toxin IgG	Bordetella Serology (BPES)

Testing field	Matrix / Products	Test parameters / Analytes	Proficiency Testing Programs
Serology	Plasma	Borrelia IgG-antibody index (AI), qualitative and quantitative	Borrelia IgG antibody index (BOR-G-AI)
Serology	Plasma	Borrelia IgM-antibody index (AI), qualitative and quantitative	Borrelia IgM antibody index (BOR-M-AI)
Serology	Plasma	Helicobacter pylori IgA, IgG, IgM and total antibodies	Helicobacter pylori antibodies (HPYL)
Serology	Plasma	IgG, IgM and total antibodies against Legionella pneumophila	Legionella pneumophila antibodies (LPAb)
Serology	Plasma	IgA, IgG, IgM and total antibodies against Mycoplasma pneumoniae	Mycoplasma antibodies (MYPL)
Bacteriology	Lyophilized bacteria strains	Streptococcus A Antigen	Streptococcus A Antigen (STAA)
Serology	Plasma	Qualitative: anti-Toxoplasma gondii IgG, anti-Toxoplasma gondii IgM	ToRCH (ToRCH, ToRCH12)

Investigation field: Virology

Testing field	Matrix / Products	Test parameters / Analytes	Proficiency Testing Programs
Serology	Plasma	IgA, IgG and IgM antibodies against Adenovirus	Adenovirus Serology (ADE)
Serology	Plasma	IgA, IgG and IgM antibodies against Coxsackievirus	Coxsackievirus Serology (COX)
Antigen detection	Aqueous solution (lyophilized)	Dengue Virus NS1 antigen	Dengue Virus NS1 Antigen (DENVAG)
Serology	Plasma	IgA, IgG and IgM antibodies against ECHO-Virus	Echo Virus Serology (ECH)
Serology	Plasma	IgA, IgG and IgM antibodies against Enterovirus	Enterovirus Serology (ENT)
Serology	Plasma	quantitative: anti-HBs	Hepatitis B Virus (HBV)
Serology	Plasma	anti-HIV 1/2 antibodies, HIV p24 Antigen	HIV antibodies and antigen (HIV)
Serology	Plasma	IgA, IgG and IgM antibodies against Influenza A Virus	Influenza A Virus Serology (INA)

Testing field	Matrix / Products	Test parameters / Analytes	Proficiency Testing Programs
Serology	Plasma	IgA, IgG and IgM antibodies against Influenza B Virus	Influenza B Virus Serology (INB)
Serology	Plasma	IgA, IgG and IgM antibodies against Parainfluenza Virus	Parainfluenza Virus Serology (PIN)
Serology	Plasma	IgG, IgM and IgA antibodies against Respiratory Syncytial Virus (RSV)	Respiratory Syncytial Virus Serology (RSV)
Antigen detection	Aqueous solution (lyophilized)	Flu A Antigen, Flu B Antigen, RSV Antigen	Respiratory Viral Antigen Detection (RESPAG)
Serology	Plasma	TBEV IgG-antibody index (AI), qualitative and quantitative	TBEV IgG-antibody index (TBEV-G-AI)
Serology	Plasma	TBEV IgM-antibody index (AI), qualitative and quantitative	TBEV IgM-antibody index (TBEV-M-AI)

Investigation field: Transfusion medicine

Testing field	Matrix / Products	Test parameters / Analytes	Proficiency Testing Programs
Immunohaematology	Erythrocyte suspension, Serum, Whole Blood	ABO-Typing, A subgroups, Rh-Factor D, Rh-Typing, Kell antigen, Direct Coombs Test, Irregular antibodies (antibody screening/Indirect Coombs Test), Antibody identification, Compatibility testing (cross-matching)	Immunohaematology (IMHEM2x6, IMHEM4x3)