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, LDL-Cholesterol, 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)
Biochemistry	Serum, Plasma	Apolipoprotein A1, Apolipoprotein B, HDL-Cholesterol, LDL-Cholesterol, Total Cholesterol, Lipoprotein(a), Triglycerides	Lipids (LIPID)
Blood Gas	Aequeos solution	Bicarbonate, Creatinine, Magnesium	Blood Gas and Electrolytes (BG12, BG4)
Cardiac Marker	Serum, Plasma	high-sensitive CRP (hsCRP)	Cardiac Marker (CM12, CM2, CM4),
Cardiac Marker	Serum, Plasma	BNP, CK-MB (mass), CK-MB (activity), Myoglobin, NT-proBNP, Troponin I, Troponin T	Cardiac marker-POCT (CM-POCT12,(CM-POCT4, (CM-POCT2)
Drugs of Abuse	Urine	Fentanyl, Ketamine, Phencyclidine, Tramadol, Synthetic Cannabinoids K3/AB-Pinaca	Drugs of Abuse (DAT12, DAT4)

Testing field	Matrix / Products	Test parameters / Analytes	Proficiency Testing Programs
Ethanol, Ammonia and Bicarbonate	Aequeos 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), Erythrocyte sedimentation rate for Mindray analysers (ESRMR)
Haematology	Whole blood	Oxyhemoglobin total Hemoglobin, Desoxyhemoglobin, Carboxyhemoglobin, Methemoglobin	Co-Oximetry (OXI)
Haematology	Whole blood	PDW (platelet distribution width), PCT (Plateletcrit)	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, DDimer, 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)
Specific Proteins	Serum, Plasma	anti-CCP	Cyclic Citrullinated Peptide Antibodies (CCP)
Urine Rapid Testing	Urine	(Micro)Albumin	Qualitative Urine Analysis (US)

Investigation Field: Microbiology

Testing field	Matrix / Products	Test parameters / Analytes	Proficiency Testing Programs
Serology	Plasma	qualitative: IgA, IgG, IgM and total antibodies against Aspergillus fumigatus	Aspergillus fumigatus Serology (ASF)
Serology	Plasma	qualitative: Aspergillus Antigen (Galactomannan)	Aspergillus 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	qualitative: Bordetella IgA, IgG, IgM, Bordetella Pertussis-Toxin IgA, Bordetella Pertussis-Toxin IgG	Bordetella Serology (BPES)
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)
Bacteriology	Lyophilized bacteria strains	C. difficile GDH antigen C. difficile Toxins A/B antigens	C. difficile stool antigen (CDIFFAg)
Serology	Plasma	qualitative: Helicobacter pylori IgA, IgG, ~~IgM~~ and total antibodies	Helicobacter pylori antibodies (HPYL)
Bacteriology	Lyophilized bacteria strains	Helicobacter pylori antigen	Helicobacter pylori antigen (HPYLAg)
Serology	Plasma	qualitative: IgG, IgM and total antibodies against Legionella pneumophila	Legionella pneumophila antibodies (LPAb)
Serology	Plasma	qualitative: IgA, IgG, IgM and total antibodies against Mycoplasma pneumoniae	Mycoplasma antibodies (MYPL)
Bacteriology	Lyophilized bacteria strains	qualitative: *Bordetella parapertussis*, *Bordetella pertussis*, *Chlamydia pneumoniae*, *Haemophilus influenzae*, *Legionella pneumophila*, *Mycoplasma pneumoniae*, *Streptococcus pneumoniae*	Respiratory Pathogens Molecular (RESPM)

Testing field	Matrix / Products	Test parameters / Analytes	Proficiency Testing Programs
Bacteriology	Lyophilized bacteria strains	Streptococcus A Antigen	Streptococcus A Antigen (STAA)
Bacteriology	Lyophilized bacteria strains	*Chlamydia trachomatis* *Mycoplasma genitalium* *Mycoplasma hominis* *Neisseria gonorrhoeae* *Treponema pallidum* *Trichomonas vaginalis* *Ureaplasma urealyticum*	STIM
Serology	Plasma	Qualitative: anti-Toxoplasma gondii IgG, anti-Toxoplasma gondii IgM	ToRCH Serology (ToRCH, ToRCH12)

Investigation field: Virology

Testing field	Matrix / Products	Test parameters / Analytes	Proficiency Testing Programs
Serology	Plasma	qualitative: IgA, IgG and IgM antibodies against Adenovirus	Adenovirus Serology (ADE)
Antigen detection	Aqueous solution (lyophilized)	Adenovirus stool antigen Rotavirus stool antigen	Adenovirus & Rotavirus stool antigen (ADROTAg)
Serology	Plasma	qualitative: IgA, IgG and IgM antibodies against Coxsackievirus	Coxsackievirus Serology (COX)
Antigen detection	Aqueous solution (lyophilized)	qualitative: Dengue Virus NS1 antigen	Dengue Virus NS1 Antigen (DENVAg)
Serology	Plasma	qualitative: IgA, IgG and IgM antibodies against ECHO-Virus	Echo Virus Serology (ECH)
Serology	Plasma	qualitative: IgA, IgG and IgM antibodies against Enterovirus	Enterovirus Serology (ENT)
Serology	Plasma	quantitative: anti-HBs	Hepatitis B Virus Serology (HBV)
Molecular biology	Aqueous solution (lyophilized)	qualitative: HBV-DNA	HBV Molecular (HBVM)
Molecular biology	Aqueous solution (lyophilized)	qualitative: HCV-RNA	HCV Molecular (HCVM)
Serology	Plasma	qualitative: anti-HIV 1/2 antibodies, HIV p24 Antigen	HIV antibodies and antigen (HIV)
Molecular biology	Aqueous solution (lyophilized)	qualitative: HIV-RNA	HIV Molecular (HIVM)

Testing field	Matrix / Products	Test parameters / Analytes	Proficiency Testing Programs
Molecular biology	Aqueous solution (lyophilized)	qualitative: HPV detection, High-Risk HPV-type detection, HR-HPV 16, HR-HPV 18, HR-HPV non 16/18, HR-HPV grouped 18/45	Human Papillomavirus Molecular (HPVM)
Serology	Plasma	qualitative: IgA, IgG and IgM antibodies against Influenza A Virus	Influenza A Virus Serology (INA)
Serology	Plasma	qualitative: IgA, IgG and IgM antibodies against Influenza B Virus	Influenza B Virus Serology (INB)
Antigen detection	Aqueous solution (lyophilized)	Norovirus GI Antigen Norovirus GII Antigen	Norovirus Stool Antigen (NOROAg)
Serology	Plasma	qualitative: IgA, IgG and IgM antibodies against Parainfluenza Virus	Parainfluenza Virus Serology (PIN)
Serology	Plasma	qualitative: IgG, IgM and IgA antibodies against Respiratory Syncytial Virus (RSV)	Respiratory Syncytial Virus Serology (RSV)
Antigen detection	Aqueous solution (lyophilized)	qualitative: 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)
Molecular biology	Aqueous solution (lyophilized)	qualitative: Adenovirus, Coronavirus 229E, Coronavirus HKU1, Coronavirus NL63, Coronavirus OC43, SARS CoV 2 (COVID 19), Human Metapneumovirus, Human Rhinovirus/Enterovirus, Influenza A, Influenza B, Parainfluenza virus, RSV	Respiratory Pathogens Molecular (RESPM)
Molecular biology	Aqueous solution (lyophilized)	HSV-1 DNA HSV-2 DNA	STIM

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)