

SCOPE OF ACCREDITATION TO ISO/IEC 17043:2010

ESFEQA GMBH Siemensstraße 38 Heidelberg, GERMANY Mana Shirazi-Kia 800 665 2575

PROFICIENCY TESTING PROVIDER

Valid To: September 30, 2027 Certificate Number: 4839.06

In recognition of the successful completion of the A2LA evaluation process, this proficiency testing provider has been found to meet the ISO/IEC 17043:2010, "Conformity assessment - General Requirements for Proficiency Testing". Accreditation is granted to this provider to provide proficiency testing samples in the following programs:

PROGRAM NAME	SUB-DISCIPLINE	ANALYTES MEASURED ¹
Chemistry EQA	Quantitative:	Quantitative Analysis = Assigned values
	Serum Chemistry/Immunoassay*	determined either by consensus values
	(Includes alcohol, basic chemistry,	from participants, or reference values as
	lipids, cardiac markers, endocrinology	determined by a reference laboratory (*)
	analytes, tumor markers, therapeutic	
	drugs, and specific proteins)	
	Basic Glycated Hemoglobin	
	Blood Gas/Electrolytes	
	Body Fluid Chemistry	
	Cerebrospinal Fluid Chemistry	
	Co-oximetry	
	GFR Monitoring*	
	Immunosuppressants	
	Occult Blood (Fecal and Gastric)	
	Serum Protein Electrophoresis	
	Sweat Testing	
	Trace Elements – Blood,	
	Serum, and Urine	
	Urinalysis	
	Urine Chemistry	
	Urine Drugs of Abuse	
	Whole Blood Glucose and	
	Hemoglobin	
	Procalcitonin	
	Bilirubin Neonatal	
	Urine sediment	
	Cardiac markers basic	
	Cardiac markers extended	
	Ethanol, ammonia, bicarbonate	
	Hormones	

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PROGRAM NAME	SUB-DISCIPLINE	ANALYTES MEASURED ¹
Chemistry EQA (cont'd)	Qualitative:	Qualitative Analysis = Reference values as
Chemical Desire (com a)	Serum Chemistry/Immunoassays	determined by analysis PLUS matching
	(certain analytes)	Consensus values from participants
	Fetal Fibronectin	1 1
	Human Chorionic Gonadotropin	
	(urine and serum)	
	Nitrazine	
	Occult Blood (Fecal and Gastric)	
	Serum Protein Electrophoresis	
	Urinalysis	
	Urine Drugs of Abuse	
	Body Fluid Crystals	
Hamatala ay EOA	Urine Crystals	
Hematology EQA	Quantitative:	Quantitative Analysis = Consensus values
	Body Fluids	from participants
	Erythrocyte Sedimentation Rate	
	Flow Cytometry Progenitor Cells	
	Fetal RBC and F Cell Detection	
	Hematology (with and without	
	Differential)	
	Lymphocyte Immunophenotyping	
	Reticulocytes	
	Qualitative:	
	Cell Morphology	
	Fetal RBC and F Cell Detection	Qualitative Analysis = Reference values as
	Sickle Cell Screening	determined by analysis PLUS matching
	D I DI I DIGG	Consensus values from participants
	Body Fluids Differential (Neutrophils;	
	Lymphocytes; Monocytes/Macrophages;	
	Eosinophils; Basophils; Cell	
	Identification)	
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Coagulation EQA	Quantitative:	Quantitative Analysis = Consensus values
	Coagulation	from participants
	D-Dimer	
	Oral Anti-Coagulant Monitoring	
	Thrombophilia	
	INR-POCT	
		Qualitative Analysis = Reference values as
	Qualitative:	determined by analysis PLUS matching
	D-Dimer	Consensus values from participants
T	Thrombophilia	
Transfusion medicine	Qualitative:	Reference values as determined by
EQA	Transfusion Medicine	analysis PLUS matching Consensus
	(includes blood grouping, direct	values from participants
	antiglobulin testing, compatibility	
	testing, unexpected antibody	
	detection and identification, antigen	
	typing)	



PROGRAM NAME	SUB-DISCIPLINE	ANALYTES MEASURED ¹
Clinical Microscopy	Qualitative:	Reference values as determined by
EQA	Clinical Microscopy	analysis PLUS matching Consensus
		values from participants
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Diagnostic Immunology EQA	Quantitative: Antiphospholipid Autoimmunity	Quantitative Analysis = Consensus values from participants
24.1	Rheumatologic Arthritis Autoimmunity	from participants
	Anti-neutrophil Cytoplasm	
	Autoimmunity	
	Coeliac Disease	
	Organ Autoimmunity	
	Rheumatologic	
	Autoimmunity	
	Thyroid Autoimmunity	
	Inhalant Allergy Anti-streptolysin O	
	C-Reactive Protein (plus high sensitivity	
	variant)	
	Food Allergy	
	Rheumatoid Factor	
	Qualitative:	
	Antiphospholipid Autoimmunity	Qualitative Analysis = Reference values as
	Rheumatologic Arthritis Autoimmunity	determined by analysis PLUS matching
	Anti-neutrophil Cytoplasm Autoimmunity	Consensus values from participants
	Coeliac Disease	
	Organ Autoimmunity	
	Rheumatologic	
	Autoimmunity	
	Anti-Nuclear Antibody	
	Anti-streptolysin O C-Reactive Protein	
	Rheumatoid Factor	



PROGRAM NAME	SUB-DISCIPLINE	ANALYTES MEASURED ¹
Clinical Serology EQA	Quantitative:	Quantitative Analysis = Consensus values
	EBV Serology	from participants
	SARS-Cov-2-Antigen	
	Adenovirus serology	
	Aspergillus fumigatus serology	
	Borrelia serology	Qualitative Analysis = Reference values as
	Bordetella serology	determined by analysis PLUS matching
	Brucella serology	Consensus values from participants
	Chagas serology	
	Chikungunya serology	
	Chlamydia trachomatis serology	
	Coxsackievirus serology	
	Dengue virus NS1 antigen	
	Dengue virus serology	
	Echovirus serology	
	Enterovirus serology	
	Infection disease combination control –	
	serology	
	Multimarker comprehensive serology	
	ToRCH serology	
	Qualitative:	
	Viral Antigen Detection	
	EBV Serology	
	Helicobacter pylori Antibody	
	Herpes Simplex	
	Lyme Disease	
	Infectious Mononucleosis	
	Mycoplasma Antibody	
	SARs-CoV-2 Antibodies	
	Aspergillus galactomannan antigen	
	Hepatitis A virus serology	
	Hepatitis B virus serology	
	Hepatitis E virus serology	
	Influenza A virus serology	
	Influenza B virus serology	
	Leptospira serology	
	Legionella pneumophila serology Measles serology	
	Parvovirus B19 serology	
	Parainfluenza virus serology	
	RVS serology	
	Syphilis serology	
	Varizella Zoster virus serology	
	Zikavirus serology	

PROGRAM NAME	SUB-DISCIPLINE	ANALYTES MEASURED
Andrology EQA	Quantitative: Sperm Analysis (count, morphology, viability) Sperm Mobility (Total Motility; Progressive Motility; Non-Progressive Motility; Immotility) Qualitative:	Quantitative Analysis = Consensus values from participants
	Sperm Screen	Qualitative Analysis = Reference values as determined by analysis PLUS matching Consensus values from participants
Bacteriology EQA	Qualitative: Urine Colony Count Qualitative: Bacterial Identification and Culture Clostridium difficile Antigen Methicillin Resistant Staphylococcus aureus Neisseria Gonorrhoeae Culture Streptococcus A Antigen and Culture Vancomycin Resistant Enterococcus Virtual Gram Stain Virtual Bacterial Vaginosis Carbapenem Resistant Enterobacteriaceae (Carbapenem Resistance Detection)	Qualitative = Reference values as determined by analysis PLUS matching Consensus values from participants
	Group B Streptococcus	Qualitative = Reference values as determined by analysis PLUS matching Consensus values from participants
Mycobacteriology EQA	Qualitative: Mycobacterium Acid Fast Stain Mycobacterium Species Culture	Reference values as determined by analysis PLUS matching Consensus values from participants
Mycology EQA	Qualitative: Cryptococcus Antigen Dermatophyte KOH slides Mold / Yeast Culture	Reference values as determined by analysis PLUS matching Consensus values from participants
Parasitology EQA	Qualitative: Blood Parasites Malaria PVA Smear Wet Mount Virtual Blood Parasites Virtual Malaria Virtual Stool Parasite	Qualitative = Reference values as determined by analysis PLUS matching Consensus values from participants



PROGRAM NAME	SUB-DISCIPLINE	ANALYTES MEASURED ¹
SARS-CoV-2 Molecular	Qualitative:	SARS-CoV-2
	Molecular Diagnostics	
CFS diagnostic EQA	Quantitative:	Quantitative Analysis = Consensus values
	Borrelia IgG-Antibody Index	from participants
	TBEV IgG-Antibody Index	
	TBEV IgM-Antibody Index	
Molecular Diagnostic	Quantitative:	Quantitative Analysis = Consensus values
	HBV molecular	from participants
	HCV molecular	
	Transplant transmitted infections	
	molecular	
	Qualitative:	Qualitative = Reference values as
	HIV	determined by analysis PLUS matching
		Consensus values from participants

¹Analytes/parameters in each program are targeted per defined specifications. Assigned values and associated uncertainties are known values with results determined by finished product testing of proficiency program.

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Accredited Proficiency Testing Provider

A2LA has accredited

ESFEQA GMBH

Heidelburg, GERMANY

This accreditation covers the specific proficiency testing schemes listed on the agreed upon Scope of Accreditation.

This provider is accredited in accordance with the recognized International Standard ISO/IEC 17043: 2010

Conformity assessment - General requirements for proficiency testing. This accreditation demonstrates technical competence for a defined scope and the operation of a quality management system.

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Presented this 5th day of September 2023.

Mr Trace McInturff, Vice President, Accreditation Services

For the Accreditation Council

Certificate Number 4839.06

Valid to September 30, 2027