



SCOPE OF ACCREDITATION TO ISO/IEC 17043:2010

LGC PROFICIENCY TESTING, INC.
 1159 Business Park Drive
 Traverse City, Michigan, 49686 USA³
 Anthony Hatfield 800 333 0958

PROFICIENCY TESTING PROVIDER

Valid To: October 31, 2024

Certificate Number: 5985.01

In recognition of the successful completion of the A2LA evaluation process, this Proficiency Testing Provider has been found to meet the requirements of ISO/IEC 17043:2010, “Conformity assessment – General Requirements for Proficiency Testing”. Accreditation is granted to this organization to provide proficiency testing samples in the following analyte/matrix combinations:

Discipline/Category	Frequency	Analytes/Matrix
Chemistry		
Chemistry ¹	Monthly	Alcohol, ammonia, general chemistry, lipids, cardiac markers, endocrinology, immunoassay, specific proteins, therapeutic drugs, trace elements, and tumour markers in serum/plasma.
Spinal Fluid Chemistry ¹	Monthly	Common analytes in cerebrospinal fluid.
Urine Chemistry ¹	Monthly	Common urine chemistry analytes.
Blood Gas ¹	Monthly	Blood gases and chemistry analytes in arterial blood.
Blood Oximetry ¹	Monthly	Co-oximetry analytes in whole/arterial blood.
Glycosylated Haemoglobin ¹	Monthly	HbA1c in whole blood haemolysate.
Haematology		
Haematology ¹	6-12 times per year	Complete blood count with and without differential.
Haematology – Virtual ^{1,2}	3 times per year	Blood cell morphology/identification and manual differential on digital slides.
Coagulation ¹	Monthly	Routine plasma coagulation plus special coagulation factors and proteins in plasma.
Sedimentation Rate ¹	Monthly	Erythrocyte sedimentation rate in whole blood.
Clinical Microscopy ²	3 times per year	Common microscopy tests from a variety of sources on digital slides.
Urinalysis ¹	3 times per year	Analytes performed by urine dipstick.
Immunology/Serology		
Immunoproteins ¹	Monthly	Immunoproteins, complement system proteins, immunoglobulins, and specific antibodies in serum/plasma.

Discipline/Category	Frequency	Analytes/Matrix
Serology ²	Monthly	Antigen or antibody testing in serum/plasma for diseases such as autoimmune, hepatitis, HIV, infectious mononucleosis, rubella, streptococcus, and syphilis.

Discipline/Category	Frequency	Analytes/Matrix
---------------------	-----------	-----------------

Microbiology

Bacteriology – Culture ²	3-6 times per year	Identification and susceptibility of unknown bacteria from sources such as blood, CSF, ear/eye, genital, skin, sputum, stool, throat, urine, wound, and other body sites, including urine colony counts.
Bacteriology – Detection ²	3 times per year	Detection of specific bacteria by molecular, toxin, and/or antigen methods from liquid samples or rehydratable swabs.
Bacteriology – Gram Stain ²	3 times per year	Analysis of virtual Gram stain slides from various sources.
Bacteriology – Resistant Strains ²	3 times per year	Culture and/or molecular identification of specific resistant bacterial strains and/or genetic markers.
Mycobacteriology – Acid Fast Smear ²	3 times per year	Detection of acid fast bacilli on glass slides.
Mycobacteriology – Molecular ²	3 times per year	Detection of <i>M. tuberculosis</i> complex and rifampin resistance from sputum samples.
Mycobacteriology – Culture ²	3 times per year	Culture and identification of unknown mycobacterial organisms from liquid samples or lyophilized loops.
Mycology ²	3 times per year	Culture and identification of unknown fungal organisms from various sources.
Parasitology – Identification ²	3 times per year	Identification of blood parasites on glass and virtual slides.
Parasitology – Detection ²	3 times per year	Detection of specific parasites by molecular and/or antigen methods from liquid samples.
Virology – Detection ²	3 times per year	Detection of specific viruses by molecular and/or antigen methods from liquid samples.

Molecular Multiplex Testing

Blood Pathogen Panel ²	3 times per year	Identification of bacteria, bacterial resistance genes, and fungi in blood samples by molecular multiplex panels.
Gastrointestinal Panel ²	3 times per year	Identification of bacteria, bacterial toxins, parasites, and viruses in faecal samples by molecular multiplex panels.
Meningitis Panel ²	3 times per year	Identification of bacteria, fungi, and viruses in spinal fluid samples by molecular multiplex panels.
Pneumonia Panel ²	3 times per year	Identification of bacteria, bacterial resistance genes, and viruses in respiratory samples by molecular multiplex panels.
Respiratory Panel ²	3 times per year	Identification of bacteria and viruses in respiratory samples by molecular multiplex panels.

¹ Assigned values and associated uncertainties are determined by a consensus value from participant results.

² Assigned values and associated uncertainties are known values from formulation.

³Programs/schemes offered as part of the LGC AXIO Proficiency Testing portfolio with customer service from the United Kingdom. The customer service activities are conducted at the following address: 1 Chamberhall Business Park, Chamberhall Green, Bury, BL9 0AP, UK. The physical location of the accredited proficiency testing provider is as noted on the scope of accreditation.





Accredited Proficiency Testing Provider

A2LA has accredited

LGC PROFICIENCY TESTING, INC.

Traverse City, MI

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.



Presented this 2nd day of September 2020.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 5985.01
Valid to October 31, 2024
Revised on November 20, 2020

For the proficiency testing schemes to which this accreditation applies, please refer to the provider's Scope of Accreditation.