



SCOPE OF ACCREDITATION TO ISO/IEC 17043:2010

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PROFICIENCY TESTING PROVIDER

Valid To: November 30, 2023

Certificate Number: 3189.02

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 organization to provide proficiency testing samples in the following analyte/matrix combinations¹:

Program Name:	<u>Medical microbiology diagnostic testing</u>
Frequency:	6 rounds per year (shipped as two sets of three samples)
Sample Format:	Freeze dried material requiring preparatory steps prior to testing
Available Tests:	Provides opportunities for education as well as proficiency testing <ul style="list-style-type: none">• Study case history provided• Perform a patient identification confirmation by matching the request form with the specimen label• Perform tests to determine the identity of the isolate• Comment on significance of isolate in relation to the case history provided• Perform antibiotic sensitivity testing panel on isolate

Program Name:	<u>Biological (pathogen) testing on food</u>	
Frequency:	1 - 6 rounds per year	
Sample Format:	Ready-to-test, dry food materials. Content varies with each round e.g. soup mix, custard powder, infant formula, breadcrumbs, breakfast cereals, etc.	
Available Tests:		
➤ Enumeration	<ul style="list-style-type: none"> • <i>Clostridium perfringens</i> (vegetative) • <i>Clostridium</i> spp. (vegetative) • Coagulase +ve <i>Staphylococcus</i> spp. 	<ul style="list-style-type: none"> • <i>Enterococcus</i> spp. • <i>Listeria monocytogenes</i>
➤ Detection	<ul style="list-style-type: none"> • <i>Escherichia coli</i> O157 • <i>Listeria</i> spp. 	<ul style="list-style-type: none"> • <i>L. monocytogenes</i> • <i>Salmonella</i> spp.

Program Name:	<u>Biological (non-pathogen) testing on food</u>	
Frequency:	1 - 6 rounds per year	
Sample Format:	Ready-to-test, dry food materials. Content varies with each round e.g. soup mix, custard powder, infant formula, breadcrumbs, breakfast cereals, etc.	
Available Tests:		
➤ Enumeration	<ul style="list-style-type: none"> • Anaerobic Plate count • <i>Bacillus cereus</i> • Coliforms • <i>E. coli</i> • Enterobacteriaceae 	<ul style="list-style-type: none"> • Lactic acid bacteria • Mould • Standard Plate count • Thermotolerant (Faecal) coliforms • Yeast
➤ Detection	<ul style="list-style-type: none"> • <i>E. coli</i> O157 • <i>Listeria</i> spp. 	<ul style="list-style-type: none"> • <i>L. monocytogenes</i> • <i>Salmonella</i> spp.

Program Name:	<u>Biological testing on food</u>	
Frequency:	1 - 6 rounds per year	
Sample Format:	Ready-to-test skim milk powder	
Available Tests:		
➤ Enumeration	<ul style="list-style-type: none"> • Anaerobic Plate count • Enterobacteriaceae • Mesophilic aerobic spores • Mesophilic anaerobic spores 	<ul style="list-style-type: none"> • Thermophilic aerobic spores • Thermophilic anaerobic spores
➤ Detection	<ul style="list-style-type: none"> • <i>Cronobacter sakazakii</i> 	

Program Name:	<u>Biological testing on chocolate</u>	
Frequency:	1 - 6 rounds per year	
Sample Format:	Ready-to-test chocolate pieces	
Available Tests:		
➤ Enumeration	<ul style="list-style-type: none"> • Coliform • Mould 	<ul style="list-style-type: none"> • Standard Plate count • Yeast
➤ Detection	<ul style="list-style-type: none"> • <i>E. coli</i> 	<ul style="list-style-type: none"> • <i>Salmonella</i> spp.

Program Name:	<u>Biological testing on meat</u>	
Frequency:	1 - 6 rounds per year	
Sample Format:	Fresh meat patty (freeze dried) requiring preparatory steps prior to testing	
Available Tests:		
➤ Enumeration	<ul style="list-style-type: none"> • <i>E. coli</i> • Psychrotrophic bacteria • Total bacteria • Coliforms • H₂S producing bacteria 	<ul style="list-style-type: none"> • Standard Plate count • H₂S producing bacteria • Coagulase +ve <i>Staphylococcus</i> spp. • Anaerobic sulfide reducing bacteria
➤ Detection	<ul style="list-style-type: none"> • <i>E. coli</i> • <i>Salmonella</i> spp. 	<ul style="list-style-type: none"> • <i>Vibrio cholerae</i> • <i>Vibrio parahaemolyticus</i>

Program Name:	<u>Biological testing on seafood</u>	
Frequency:	1 - 6 rounds per year	
Sample Format:	Fresh seafood paste (freeze dried) requiring preparatory steps prior to testing	
Available Tests:		
➤ Enumeration	<ul style="list-style-type: none"> • <i>E. coli</i> • Psychrotrophic bacteria • Total bacteria • Coliforms • H₂S producing bacteria 	<ul style="list-style-type: none"> • Standard Plate count • H₂S producing bacteria • Coagulase +ve <i>Staphylococcus</i> spp. • Anaerobic sulfide reducing bacteria
➤ Detection	<ul style="list-style-type: none"> • <i>E. coli</i> • <i>Vibrio cholerae</i> 	<ul style="list-style-type: none"> • <i>Vibrio parahaemolyticus</i>

Program Name:	<u>Biological testing on generic material (suitable for food and waters testing)</u>	
Frequency:	1 - 6 rounds per year	
Sample Format:	Freeze dried vials requiring preparatory steps prior to testing	
Available Tests:		
➤ Detection	<ul style="list-style-type: none"> • <i>Campylobacter</i> spp. • <i>Salmonella</i> spp. 	<ul style="list-style-type: none"> • <i>Vibrio</i> spp. including: <i>cholerae</i> and <i>parahaemolyticus</i> • <i>Yersinia</i> spp. (including <i>enterocolitica</i>)
➤ Species Identification	<ul style="list-style-type: none"> • <i>Campylobacter</i> spp. • <i>Salmonella</i> spp. 	<ul style="list-style-type: none"> • <i>Vibrio</i> spp. • <i>Yersinia</i> spp.

Program Name:	<u>Biological testing on cosmetics</u>	
Frequency:	1 - 6 rounds per year	
Sample Format:	Lotion + freeze-dried vial requiring preparatory steps prior to testing	
Available Tests:		
➤ Enumeration	<ul style="list-style-type: none"> • Mould • Standard Plate Count 	<ul style="list-style-type: none"> • Yeast
➤ Detection	<ul style="list-style-type: none"> • Bile tolerant Gram negative bacteria • <i>Candida albicans</i> • <i>C. perfringens</i> 	<ul style="list-style-type: none"> • Coagulase +ve <i>Staphylococcus</i> spp. • <i>E. coli</i> • <i>Pseudomonas aeruginosa</i>

Program Name:	<u>Biological testing on capsules/tablets/tablet base</u>	
Frequency:	1 - 6 rounds per year	
Sample Format:	Ready-to-test tablets/capsules or tablet base material	
Available Tests:		
➤ Enumeration	<ul style="list-style-type: none"> • Mould • Standard Plate Count 37°C 	<ul style="list-style-type: none"> • Yeast
➤ Detection	<ul style="list-style-type: none"> • Bile tolerant Gram negative bacteria • <i>C. albicans</i> • <i>C. perfringens</i> • <i>Clostridium</i> spp. • Coagulase +ve <i>Staphylococcus</i> spp. 	<ul style="list-style-type: none"> • <i>E. coli</i> • <i>P. aeruginosa</i> • <i>Pseudomonas</i> spp. • <i>Salmonella</i> spp.

Program Name:	<u>Biological testing on herbal preparations</u>	
Frequency:	1 - 6 rounds per year	
Sample Format:	Ready-to-test herbal preparation	
Available Tests:		
➤ Enumeration	<ul style="list-style-type: none"> • Mould • Standard Plate Count 37°C 	<ul style="list-style-type: none"> • Yeast
➤ Detection	<ul style="list-style-type: none"> • Bile tolerant Gram negative bacteria • <i>C. perfringens</i> • Coagulase +ve <i>Staphylococcus</i> spp. • <i>E. coli</i> 	<ul style="list-style-type: none"> • <i>P. aeruginosa</i> • <i>Pseudomonas</i> spp. • <i>Salmonella</i> spp.

Program Name:	<u>Biological testing on cooling tower water for hygiene</u>	
Frequency:	1 - 6 rounds per year	
Sample Format:	Freeze dried vial requiring preparatory steps prior to testing	
Available Tests:		
➤ Enumeration	<ul style="list-style-type: none"> • Plate count (35°C or 37°C) • Plate count (21°C) • <i>Legionella pneumophila</i> SG 1 • <i>L. pneumophila</i> serogroups (other than SG1) 	<ul style="list-style-type: none"> • <i>Legionella</i> spp. (other than <i>L. pneumophila</i>) • Total <i>Legionella</i> spp.

Program Name:	<u>Biological testing on potable water and beverages</u>	
Frequency:	12 monthly rounds per year (shipped as two sets of six samples)	
Sample Format:	Freeze dried vial requiring preparatory steps prior to testing	
Available Tests:		
➤ Enumeration	<ul style="list-style-type: none"> • <i>C. perfringens</i> (vegetative) • <i>Clostridium</i> spp. • Coliforms • Coagulase +ve <i>Staphylococcus</i> spp. • <i>E. coli</i> • <i>Enterococcus</i> spp. • Faecal <i>Streptococcus</i> spp. 	<ul style="list-style-type: none"> • Plate count (35°C or 37°C) • Plate count (21°C) • Mould • <i>P. aeruginosa</i> • <i>Pseudomonas</i> spp. • Thermotolerant (faecal) coliforms • Yeast

Program Name:	<u>Biological testing on environmental waters</u>	
Frequency:	1 - 6 rounds per year (relevant rounds shipped every 6 months)	
Sample Format:	Freeze dried vial requiring preparatory steps prior to testing	
Available Tests:		
➤ Enumeration	<ul style="list-style-type: none"> • Coliforms • <i>E. coli</i> • <i>Enterococcus</i> spp. • Plate count (35°C or 37°C) • Plate count (21°C) 	<ul style="list-style-type: none"> • Mould • <i>P. aeruginosa</i> • Thermotolerant (faecal) coliforms • Yeast

Program Name:	<u>Biological testing applicable to meat carcasses</u>	
Frequency:	12 rounds per year (shipped as two sets of six samples)	
Sample Format:	Freeze dried vial requiring preparatory steps prior to testing	
Available Tests:		
➤ Enumeration	<ul style="list-style-type: none"> • Coliforms • <i>E. coli</i> 	<ul style="list-style-type: none"> • <i>Enterococcus</i> spp. • Standard Plate count
➤ Detection	<ul style="list-style-type: none"> • <i>Salmonella</i> spp. 	<ul style="list-style-type: none"> • <i>E. coli</i> O157

Program Name:	<u>Biological testing using PCR technologies; applicable to meat carcasses</u>	
Frequency:	1 - 6 rounds per year	
Sample Format:	Freeze dried vial requiring preparatory steps prior to testing	
Available Tests:		
➤ Detection	<ul style="list-style-type: none"> • Detection and/or identification of pathogenic <i>E. coli</i> • Detection of <i>eae</i> and <i>stx</i> genes 	<ul style="list-style-type: none"> • <i>E. coli</i> O157 • “big 6” non O157 Shiga toxin positive strains of <i>E. coli</i>

Program Name:	<u>Veterinary microbiology diagnostic testing</u>	
Frequency:	12 rounds per year (shipped as two sets of six samples)	
Sample Format:	Freeze dried vial requiring preparatory steps prior to testing	
Available Tests:		
➤ Detection	<ul style="list-style-type: none"> • Study case history provided • Perform tests to determine the identity of the isolate • Comment on significance of isolate in relation to the case history provided 	<ul style="list-style-type: none"> • Perform antibiotic sensitivity testing panel on isolate

Program Name:	<u>Biological testing using PCR technologies; applicable to veterinary diagnostic testing</u>
Frequency:	1 - 6 rounds per year
Sample Format:	Freeze dried materials requiring preparatory steps prior to testing
Available Tests:	
➤ Detection	<ul style="list-style-type: none"> • Detection / identification of veterinary pathogens e.g., <ul style="list-style-type: none"> • <i>Salmonella enteritidis</i> in eggs • <i>Mycoplasma</i> spp in bovine samples, <i>Mycobacterium</i> spp in relevant materials • Differentiation of biological species commonly conducted by PCR, e.g., <i>Streptococcus equi</i> sv <i>equi</i>

Program Name:	<u>Biological testing on swabs</u>
Frequency:	1 - 6 rounds per year
Sample Format:	Swabs with minor preparation
Available Tests:	
➤ Enumeration	<ul style="list-style-type: none"> • Coliform • Mould • Anaerobic count • <i>Enterobacteriaceae</i> • Standard Plate count • Yeast
➤ Detection	<ul style="list-style-type: none"> • <i>Campylobacter</i> • <i>E. coli</i> • Coagulase +ve <i>Staphylococcus</i> spp. • <i>Salmonella</i> • <i>Lysteriamomocytogenes</i> • <i>Clostridium</i> spp.

Program Name:	<u>Commercial and Surgical Sterility testing</u>
Frequency:	1 - 6 rounds per year
Sample Format:	Ready-to-test solid materials (e.g., glass beads, bandages, implements, equipment and packaging)
Available Tests:	
➤ Surgical Sterility	<ul style="list-style-type: none"> • Participants will test the sterility of items and report whether they are free from aerobic and anaerobic bacteria and fungi
➤ Commercial Sterility	<ul style="list-style-type: none"> • Participants will test the sterility of items and report whether they are free from aerobic and anaerobic bacteria and fungi

Program Name:	<u>Electrical safety tests and measurements</u>	
Frequency:	Varies, on average 4 to 5 programs per year	
Sample Format:	Samples may be sourced from single production batches of commercially available products or custom made. Examples: Plastic plaques, power supplies, printed circuit boards, black box arrangements. These are offered for testing to a variety of IEC standards.	
Available Tests:	<ul style="list-style-type: none"> • Ball Pressure Test • Cables – Conductor resistance for IEC 60227 • Chemically regulated substances • Creepage and clearance • Earthing resistance • Electric Strength Test (High Voltage Test) • EMC Conducted and Radiated Emissions • Glow Wire and Needle Flame Test • Batteries • Luminous Qualities • Laser measurements • Photovoltaics performance testing • Plug Discharge (Voltage Decay) Test • Power Input Test • Heating Test – Switches • Heating Test – Transformers • Heating Test – Switch mode supplies • Touch current (Leakage current) Test • Tracking Test to IEC 60112 • Working Voltage • IP Testing • Software Evaluation 	

¹ Assigned values and associated uncertainty (if applicable) determined using consensus values.



Accredited Proficiency Testing Provider

A2LA has accredited

IFM QUALITY SERVICES PTY LTD.

Ingleburn, AUSTRALIA

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 19th day of November 2019.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 3189.02
Valid to November 30, 2023
Revised on December 16, 2020

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