



SCOPE OF ACCREDITATION TO ISO/IEC 17043:2010

IFM QUALITY SERVICES PTY LTD  
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AUSTRALIA  
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PROFICIENCY TESTING PROVIDER

Valid To: January 31, 2024

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 combinations<sup>1</sup>:

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"><li>• Study case history provided</li><li>• Perform a patient identification confirmation by matching the request form with the specimen label</li><li>• Perform tests to determine the identity of the isolate</li><li>• Comment on significance of isolate in relation to the case history provided</li><li>• Perform antibiotic sensitivity testing panel on isolate</li></ul>

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"> <li>• <i>Clostridium perfringens</i> (vegetative)</li> <li>• <i>Clostridium</i> spp. (vegetative)</li> <li>• Coagulase +ve <i>Staphylococcus</i> spp.</li> </ul>	<ul style="list-style-type: none"> <li>• <i>Enterococcus</i> spp.</li> <li>• <i>Listeria monocytogenes</i></li> </ul>
➤ Detection	<ul style="list-style-type: none"> <li>• <i>Escherichia coli</i> O157</li> <li>• <i>Listeria</i> spp.</li> </ul>	<ul style="list-style-type: none"> <li>• <i>L. monocytogenes</i></li> <li>• <i>Salmonella</i> spp.</li> </ul>

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"> <li>• Anaerobic Plate count</li> <li>• <i>Bacillus cereus</i></li> <li>• Coliforms</li> <li>• <i>E. coli</i></li> <li>• Enterobacteriaceae</li> </ul>	<ul style="list-style-type: none"> <li>• Lactic acid bacteria</li> <li>• Mould</li> <li>• Standard Plate count</li> <li>• Thermotolerant (Faecal) coliforms</li> <li>• Yeast</li> <li>• <i>Pseudomonas</i> species</li> </ul>

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"> <li>• Anaerobic Plate count</li> <li>• Enterobacteriaceae</li> <li>• Mesophilic aerobic spores</li> <li>• Mesophilic anaerobic spores</li> </ul>	<ul style="list-style-type: none"> <li>• Thermophilic aerobic spores</li> <li>• Thermophilic anaerobic spores</li> </ul>
➤ Detection	<ul style="list-style-type: none"> <li>• <i>Cronobacter sakazakii</i></li> </ul>	



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"> <li>• Coliform</li> <li>• Mould</li> <li>• Enterobacteriaceae</li> </ul>	<ul style="list-style-type: none"> <li>• Standard Plate count</li> <li>• Yeast</li> </ul>
➤ Detection	<ul style="list-style-type: none"> <li>• <i>E. coli</i></li> </ul>	<ul style="list-style-type: none"> <li>• <i>Salmonella</i> spp.</li> </ul>

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"> <li>• <i>E. coli</i></li> <li>• Psychrotrophic bacteria</li> <li>• Coliforms</li> <li>• Lactic acid bacteria</li> <li>• Mould</li> <li>• Enterobacteriaceae</li> </ul>	<ul style="list-style-type: none"> <li>• Standard Plate count</li> <li>• H<sub>2</sub>S producing bacteria</li> <li>• Coagulase +ve <i>Staphylococcus</i> spp.</li> <li>• Anaerobic sulfite reducing bacteria</li> <li>• Yeast</li> <li>• <i>Pseudomonas aeruginosa</i></li> </ul>
➤ Detection	<ul style="list-style-type: none"> <li>• <i>E. coli</i></li> <li>• <i>Salmonella</i> spp.</li> </ul>	<ul style="list-style-type: none"> <li>• <i>Listeria Monocytogenes</i></li> </ul>

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. Some rounds also provide Freeze dried vials.	
Available Tests:		
➤ Enumeration	<ul style="list-style-type: none"> <li>• <i>E. coli</i></li> <li>• Total bacteria</li> <li>• Coliforms</li> </ul>	<ul style="list-style-type: none"> <li>• H<sub>2</sub>S producing bacteria</li> <li>• Coagulase +ve <i>Staphylococcus</i> spp.</li> <li>• Anaerobic sulfite reducing bacteria</li> </ul>
➤ Detection	<ul style="list-style-type: none"> <li>• <i>E. coli</i></li> <li>• <i>Vibrio cholerae</i></li> </ul>	<ul style="list-style-type: none"> <li>• <i>Vibrio parahaemolyticus</i></li> </ul>

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:		
➤ Enumeration	<ul style="list-style-type: none"> <li>• <i>V. parahaemolyticus</i></li> </ul>	<ul style="list-style-type: none"> <li>• <i>Campylobacter</i> spp.</li> </ul>
➤ Detection	<ul style="list-style-type: none"> <li>• <i>Campylobacter</i> spp.</li> <li>• <i>Salmonella</i> spp.</li> </ul>	<ul style="list-style-type: none"> <li>• <i>Vibrio</i> spp. including: <i>cholerae</i> and <i>parahaemolyticus</i></li> <li>• <i>Yersinia</i> spp. (including <i>enterocolitica</i>)</li> </ul>
➤ Species Identification	<ul style="list-style-type: none"> <li>• <i>Campylobacter</i> spp.</li> <li>• <i>Salmonella</i> spp.</li> </ul>	<ul style="list-style-type: none"> <li>• <i>Vibrio</i> spp.</li> <li>• <i>Yersinia</i> spp.</li> </ul>

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"> <li>• Mould</li> <li>• Total Aerobic Microbial count (Total Plate Count)</li> </ul>	<ul style="list-style-type: none"> <li>• Yeast</li> <li>• Total Combined Yeast and Mould count (including bacteria)</li> <li>• Total Yeast and Mould count (excluding bacteria)</li> </ul>
➤ Detection	<ul style="list-style-type: none"> <li>• <i>Candida albicans</i></li> <li>• Coagulase +ve <i>Staphylococcus</i> spp.</li> </ul>	<ul style="list-style-type: none"> <li>• <i>E. coli</i></li> <li>• <i>Pseudomonas aeruginosa</i></li> </ul>

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"> <li>• Mould</li> <li>• Total Aerobic Microbial count (Total Plate Count)</li> </ul>	<ul style="list-style-type: none"> <li>• Yeast</li> <li>• Total Combined Yeast and Mould count (including bacteria)</li> <li>• Total Yeast and Mould count (excluding bacteria)</li> </ul>
➤ Detection	<ul style="list-style-type: none"> <li>• Bile tolerant Gram-negative bacteria</li> <li>• <i>C. albicans</i></li> <li>• Coagulase +ve <i>Staphylococcus</i> spp.</li> </ul>	<ul style="list-style-type: none"> <li>• <i>E. coli</i></li> <li>• <i>P. aeruginosa</i></li> <li>• <i>Pseudomonas</i> spp.</li> <li>• <i>Salmonella</i> spp.</li> </ul>

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"> <li>• Mould</li> <li>• Total Aerobic Microbial count (Total Plate Count)</li> </ul>	<ul style="list-style-type: none"> <li>• Yeast</li> <li>• Total Combined Yeast and Mould count (including bacteria)</li> <li>• Total Yeast and Mould count (excluding bacteria)</li> </ul>
➤ Detection	<ul style="list-style-type: none"> <li>• <i>C. perfringens</i></li> <li>• <i>Clostridium</i> spp.</li> <li>• Coagulase +ve <i>Staphylococcus</i> spp.</li> </ul>	<ul style="list-style-type: none"> <li>• <i>E. coli</i></li> <li>• <i>P. aeruginosa</i></li> <li>• <i>Salmonella</i> spp.</li> </ul>

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"> <li>• Plate count (35°C or 37°C)</li> <li>• Plate count (21°C)</li> <li>• <i>Legionella pneumophila</i> SG1</li> <li>• <i>L. pneumophila</i> serogroups (other than SG1)</li> </ul>	<ul style="list-style-type: none"> <li>• <i>Legionella</i> spp. (other than <i>L. pneumophila</i>)</li> <li>• Total <i>Legionella</i></li> <li>• Total <i>Legionella pneumophila</i></li> </ul>
➤ Identification	<ul style="list-style-type: none"> <li>• <i>Legionella pneumophila</i></li> <li>• <i>Legionella</i> spp.</li> </ul>	

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"> <li>• <i>Clostridium perfringens</i> (vegetative)</li> <li>• <i>Clostridium</i> spp.(vegetative)</li> <li>• Coliforms</li> <li>• Coagulase +ve <i>Staphylococcus</i> spp.</li> <li>• <i>E. coli</i></li> <li>• <i>Enterococcus</i> spp.</li> <li>• Faecal <i>Streptococcus</i> spp.</li> </ul>	<ul style="list-style-type: none"> <li>• Plate count (35°C or 37°C)</li> <li>• Plate count (21°C)</li> <li>• Mould</li> <li>• <i>P. aeruginosa</i></li> <li>• <i>Pseudomonas</i> spp.</li> <li>• Thermotolerant (faecal) coliforms</li> <li>• Yeast</li> </ul>

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"> <li>• Coliforms</li> <li>• <i>E. coli</i></li> <li>• <i>Enterococcus</i> spp.</li> <li>• Plate count (35°C or 37°C)</li> <li>• Plate count (21°C)</li> </ul>	<ul style="list-style-type: none"> <li>• Mould</li> <li>• <i>P. aeruginosa</i></li> <li>• Thermotolerant (faecal) coliforms</li> <li>• Yeast</li> </ul>

Program Name:	<u>Biological testing on sludge</u>	
Frequency:	1 - 6 rounds per year	
Sample Format:	Freeze dried soil requiring preparatory steps prior to testing	
Available Tests:		
➤ Enumeration	<ul style="list-style-type: none"> <li>• <i>E. coli</i></li> <li>• <i>Enterococcus</i> spp.</li> </ul>	<ul style="list-style-type: none"> <li>• Plate Count</li> <li>• Thermotolerant (faecal) coliforms</li> </ul>
➤ Detection	<ul style="list-style-type: none"> <li>• <i>Salmonella</i> spp.</li> </ul>	

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"> <li>• Coliforms</li> <li>• <i>E. coli</i></li> </ul>	<ul style="list-style-type: none"> <li>• Standard Plate count</li> </ul>
➤ Detection	<ul style="list-style-type: none"> <li>• <i>Salmonella</i> spp.</li> </ul>	<ul style="list-style-type: none"> <li>• <i>E. coli</i> O157</li> </ul>

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"> <li>• Detection and/or identification of pathogenic <i>E. coli</i></li> <li>• Detection of <i>eae</i> and <i>stx</i> genes</li> </ul>	<ul style="list-style-type: none"> <li>• <i>E. coli</i> O157</li> <li>• “Big 6” non O157 Shiga toxin positive strains of <i>E. coli</i></li> </ul>

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"> <li>• Study case history provided</li> <li>• Perform tests to determine the identity of the isolate</li> <li>• Comment on significance of isolate in relation to the case history provided</li> </ul>	<ul style="list-style-type: none"> <li>• Perform antibiotic sensitivity testing panel on isolate</li> </ul>

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"> <li>• Detection/identification of veterinary pathogens e.g., <ul style="list-style-type: none"> <li>• <i>Salmonella enteritidis</i> in eggs</li> <li>• <i>Mycoplasma</i> spp in bovine samples, <i>Mycobacterium</i> spp in relevant materials</li> <li>• Differentiation of biological species commonly conducted by PCR, e.g., <i>Streptococcus equi</i> subsp. <i>equi</i></li> </ul> </li> </ul>	

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

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:	
➤ Detection	• Participants will test the sterility of items and report whether they are free from aerobic and anaerobic bacteria, and fungi (Sterile – Yes/No)
➤ Identification	• Identification of bacteria and fungi

Program Name:	<u>Biological testing on generic material to determine organism identification; applicable to diagnostic testing</u>
Frequency:	1 – 6 rounds per year
Sample Format:	Freeze dried materials requiring preparatory steps in prior to testing
Available Tests:	
➤ Detection	<ul style="list-style-type: none"> <li>• Detection/identification of organisms e.g.,</li> <li>• Gram positive organisms like <i>Staphylococcus aureus</i>, <i>Bacillus cereus</i> etc.</li> <li>• Gram negative organisms like <i>E. coli</i>, <i>Campylobacter jejuni</i>, etc.</li> <li>• Fungi like yeasts and moulds.</li> </ul>



Program Name:	<u>Electrical safety tests and measurements</u>	
Frequency:	Varies, on average 25-30 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"> <li>• Ball Pressure Test</li> <li>• Cables – Conductor resistance for IEC 60227</li> <li>• Creepage and clearance</li> <li>• Earthing resistance</li> <li>• Electric Strength Test (High Voltage Test)</li> <li>• EMC Conducted and Radiated Emissions</li> <li>• Glow Wire and Needle Flame Test</li> <li>• Batteries</li> <li>• Luminous Qualities</li> <li>• Laser measurements</li> <li>• Photovoltaics performance testing</li> <li>• Plug Discharge (Voltage Decay) Test</li> <li>• Standby Power</li> <li>• Heating Test – Switches</li> <li>• Heating Test – Transformers</li> <li>• Heating Test – Switch mode supplies</li> <li>• Touch current (Leakage current) Test</li> <li>• Tracking Test to IEC 60112</li> <li>• Working Voltage</li> <li>• IP Testing</li> <li>• Software Evaluation</li> </ul>	

<sup>1</sup> 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 19<sup>th</sup> day of November 2019.

Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 3189.02  
Valid to January 31, 2024  
Revised on November 30, 2023

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