

# Microbiological Laboratory QA

## Learn how to apply good technical practices to quality assurance and quality control in microbiology testing laboratories.

If you are responsible for assuring the quality of your microbiology testing, are (or aspire to achieve) Key Technical Person (KTP) under the recognised Laboratory Program (RLP) then this two day course is essential.

Learn the principles of good practice in microbiology testing laboratories, including:

- Media purchasing, approval and batch testing
- Bought in prepared media approval and COA review
- Media formulation checks
- Reference culture management, including verification and subculturing
- Laboratory water quality control – conductivity, toxicity, pH and microbiological load
- Volume checks and toxicity of diluents
- Detergent Residues
- Membrane filter verification
- Anaerobic jar management
- Sample preparation
- Media preparation and autoclaving
- pH meter and thermometer calibration
- Incubator and waterbath monitoring
- Autoclave Management and load validation
- Prepared media storage
- Exposure plates (environmental monitoring)
- Proficiency Testing and analysis, including corrective action
- Overview of Laboratory Approval Scheme (LAS and National Microbiological Database (NMD))
- Review of new work
- Laboratory responsibilities for sampling (NMD)
- Overview of Regulatory requirements for laboratories

### Competent trainer

The course is presented by Shane Hopgood. Shane has been an IANZ technical assessor since 1993, and has extensive experience in auditing microbiological testing laboratories. The number of participants for each course is restricted to ensure a trainer /student ratio that will facilitate effective training outcomes.