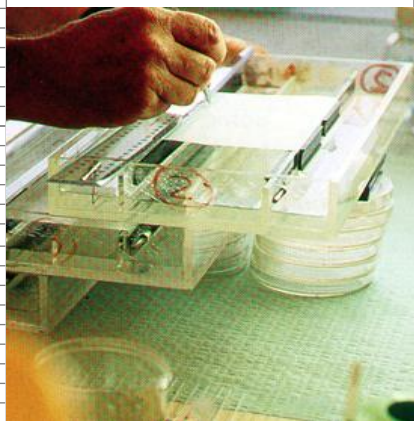




Microbiology of Water

The AWQC offers a full range of microbiological testing and advisory services. Most analytical methods used are based on internationally accepted procedures (Standard Methods for the Examination of Water and Wastewater, USEPA and Australian Standards) and are NATA accredited.



SERVICES OFFERED

- Testing of water, wastewaters and soils for indicator microorganisms - coliforms, faecal-coliforms, *E. coli*, faecal streptococci and enterococci.
- Examination for pathogens – *Salmonella*, *Legionella*, including *Legionella pneumophila* serogroups 1-14, haemorrhagic *E. coli* 0157, *Vibrio cholerae*, *Staphylococcus aureus* and *Campylobacter*.
- Detection and enumeration of other microorganisms such as *Aeromonas* spp, *Pseudomonas* including *Pseudomonas aeruginosa*, Actinomycetes, Heterotrophic Plate Counts, Bacteriophage and Fungi.
- Examination for certain anaerobes such as Sulphate Reducing Bacteria, including *Desulfovibrio* and Sulphite Reducing *Clostridia*, including *Clostridium perfringens*.
- Detection of nuisance microorganisms such as iron precipitating bacteria and Filamentous Bacteria.
- Testing of water and wastewaters for pathogenic protozoa, including *Cryptosporidium*, *Giardia* and amoebae.

ADDITIONAL ASSISTANCE

- The microbiology of drinking water supplies – advice and recommendations for monitoring programs.
- Identification and characterisation of bacteria using DNA technology.
- Testing and advice on the microbiology of cooling tower systems.
- Testing of spring and mineral waters, packaged water and ice, swimming pools and spas.

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