

TOWNSVILLE LABORATORY SERVICES



BIOLOGICAL ANALYSIS AND MICROBIOLOGICAL LABORATORY

About Us

Townsville Laboratory Services is an advanced analytical laboratory located at the Douglas Water Treatment Plant, Angus Smith Drive, Townsville, Queensland.

We currently service a range of organisations throughout Queensland including local government shires and councils, hospitals, universities, schools and other institutions in North Queensland.

CONTACT DETAILS

Townsville Laboratory Services

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Townsville Laboratory Services microbiological laboratory uses membrane filtration and differential media for most testing methods.

The laboratory was one of the first to use defined substrate technology for the enumeration of *E. coli* and Total coliforms in drinking water. This technique allows for a turn around time of 18 hours which provides potable water providers a tool for proper process maintenance and monitoring.

The current biological testing services provided by Townsville Laboratory Services include:

- » *E. coli* (by membrane filtration and Defined Substrate Technology)
- » Thermotolerant Coliforms
- » Total Coliforms
- » *Pseudomonas Aeruginosa*
- » Enterococci
- » Heterotrophic Plate Count (Total Plate Count)

The laboratory is currently validating a method for the analysis of ultra pure water (i.e. dialysis water). This is based on the Australian/New Zealand Standard 4276.3.1 – 2007. This method will be offered as a service in November 2012.

The laboratory regularly does biological monitoring of Townsville's drinking water reticulation system, reservoirs, dams and swimming pools. For other councils, private organisations and the industrial sector, the lab provides biological services for the following:

- » pools
- » groundwater
- » catchments
- » irrigation
- » water for agricultural use
- » process water
- » sewage effluents
- » reverse osmosis process
- » environmental investigations.

The laboratory provides sample containers and kits for commercial clients.



**TOWNSVILLE
WATER**

