

## Colitag™

### Coliform Testing

The Colitag System is a breakthrough in Coliform testing. The test enables the simultaneous detection, identification and confirmation of total coliforms and E.coli in 24 hours or less.

The examination of water for microbial pollution is a major health undertaking. Drinking water supplies, swimming pools and spas are all regularly monitored for the indicator organism Escherichia coli (E.coli). Currently there are two accepted methods in use – Multiple Tube fermentation (MTF) and Membrane Filtration (MF). Both are designed to enumerate the secondary indicator group, total coliforms.

There are several drawbacks to these current methods of bacteriological testing – in particular the time taken to generate confirmed positive results, usually two to five days. Moreover, the subjective nature of interpreting results, the lengthy and labour intensive procedure involved and the susceptibility to interference by non-coliform heterotrophic bacteria, all detract from these methods.

#### THE COLIFORM TESTING SYSTEM

A simple, reliable technique is required which eliminates these drawbacks and enables the rapid, confirmed enumeration of both total coliforms and more importantly, E. coli.

Colitag is a pre-dispensed dry blended reagent formulation containing salts, nitrogen and carbon sources and specific indicator/nutrients for total coliform and E. coli. Positive samples are detected by a visible colour change.

Performing the Coliform test is simple. The reagent is supplied in pre-measured dosage tubes for dispensing into sterile containers. Simply fill a sterile tube to the level, mix and then incubate at 35 ° C. The formation of a yellow colour in 24 hours or less indicates the presence of total coliforms. Positive tubes are then checked for the presence of E.Coli by looking for fluorescence under UV light.



#### Ordering Information

##### CT 220 PRESENCE/ABSENCE PACK 100ML

Packs contain 20 mix and dispense unit doses of reagent for use with 100ml sample

##### CT 200 PRESENCE/ABSENCE PACK 100ML

Packs contain 100 mix and dispense unit doses of reagent for use with 100ml sample

##### CT 109 INCUBATOR-MV

##### CT 102 PORTABLE U/V LAMP

##### CT 104 STERILE GRADUATED CONTAINERS (10)

##### CT 105 STERILE GRADUATED CONTAINERS (100)

##### PT 680 INCUBATOR THERMOMETER



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