



## Somatic Coliphages Water Testing Kit

### Product Information

#### Common Name

Somatic Coliphages

#### Cat.No.

Kit-2444

### Product Overview

Somatic Coliphages Water Testing Kit qualitatively detects as little as one coliphage per 100 mL water sample. This method gives an early warning indicator of ground water contamination.

### Description

Somatic Coliphages is a kind of bacteriophages that infect Escherichia coli. It has been used in academia as both fecal and viral indicators for many years.

### Storage

Store at 4-8 centigrade

### Size

1 kit (100 assays)

### Assay Protocol

The method involves adding a media pouch and Escherichiacoli tablet to a 100 mL water sample and incubating for five hours at 39°C. After incubation for five hours, the culture is transferred to fluorescent media and incubated three additional hours. If the culture fluoresces, it is over 90% predictive of coliphage presence and fecal contamination. The 5-hour culture is also spotted on to a prepared, seeded agar plate of E.coli for overnight confirmation and verification of plaque formation, 16 hours from the beginning of testing.