

Somatic Coliphages Water Testing Kit

Cat. No. Kit-2444 **Lot. No.** (See product label)

SPECIFICATION

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	1kit (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.

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