

PathoGel Test

PathoGel

PATHOGEL TEST

PathoGel is a single assay that selectively grows, detects and quantitates coliform, E.coli and hydrogen sulfide producing Enterobacteriaceae in food and water. This single test can be used for both finished product and process stage testing.

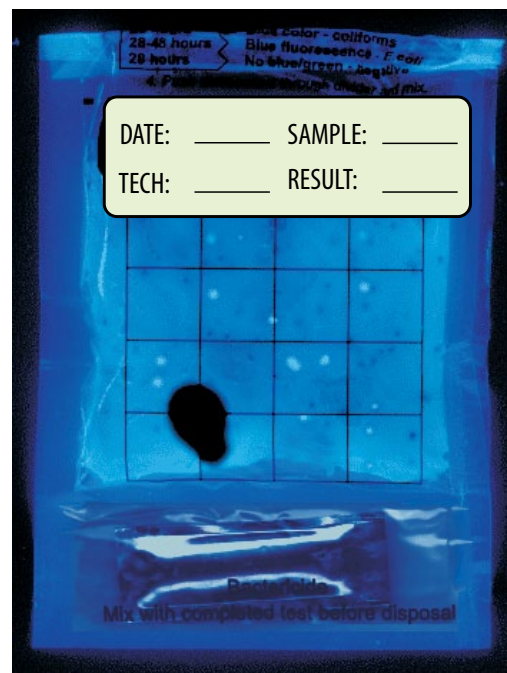
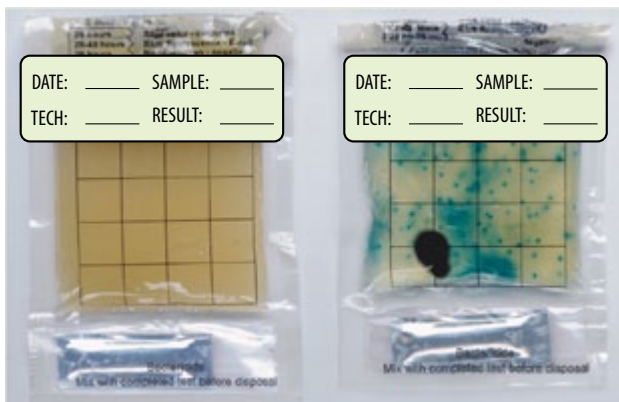
PATHOGEL TEST AT A GLANCE

- 3 Bacterial Groups with 1 Test
- Presence/Absence/Quantity
- Single Use, One Step, No Preparation

SENSITIVE

Ideal for both water and food testing, PathoGel requires no pH adjustment, and achieves sensitivity as shown:

Sample	Sample Volume	Targeted Detection Level
Juice	3 ml	1 cfu/3 ml
Rinse Water	100 ml	1 cfu/100 ml



Shown under long wavelength 366 nm UV light

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SIMPLE

One PathoGel tests one sample. No preparation, no wasted reagents, no sample manipulation.

PROCEDURE

Samples (100 ml of water or 100 ml of diluted food material) are added to bag and bag is sealed. The sample is then pushed through the Burst-a-Seal into the medium and mixed. The bag is placed upright in an incubation rack and incubated at 35 °C for total coliforms (44 °C for fecal).

BIO-SAFE

A self enclosed bactericide is burst into the completed test without opening the bag. A 7-8 log reduction of cultured bacteria is carried out in the closed environment with no need to autoclave.

HACCP FRIENDLY

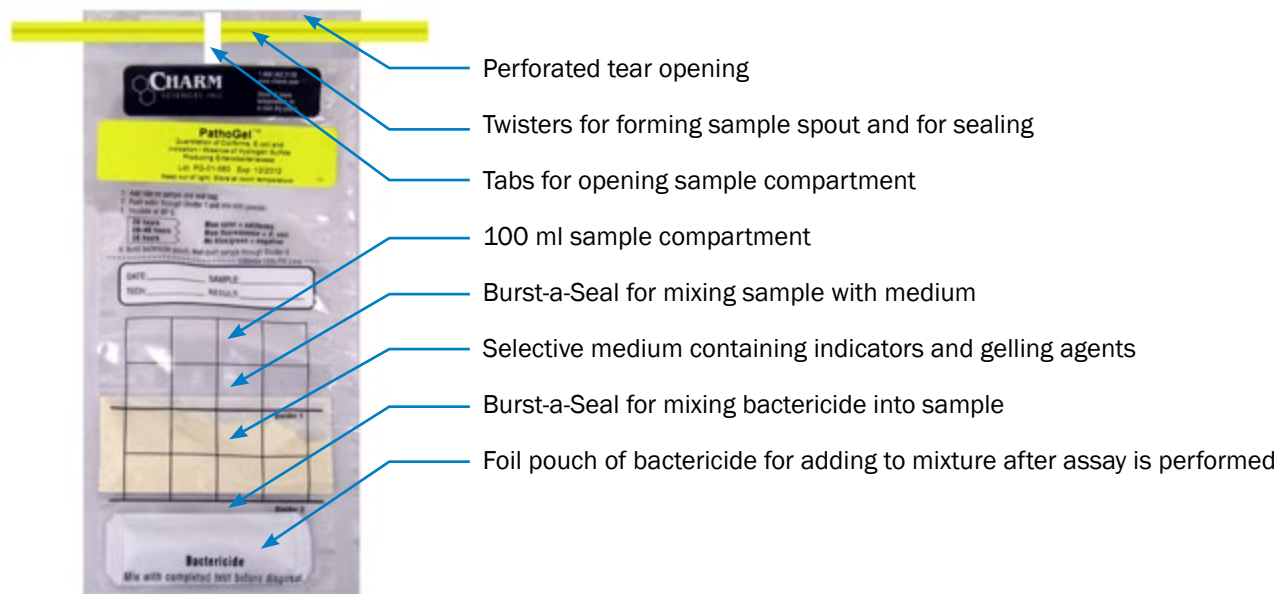
PathoGel's sensitivity and CFU numeration provide a test to verify that food and water contain less than specified indicator levels of organisms. PathoGel establishes baseline levels that demonstrate control of hazard and continual process improvement, all in a user friendly format.

PRINCIPLE

The selective medium contains a gelling agent to immobilize bacteria. Coliform produce galactosidase, which forms blue colonies in 28 hours. E.coli produce galactosidase and glucuronidase which form blue and fluorescent colonies in 28-48 hours. Hydrogen sulfide producing Enterobacteriaceae—of which Salmonella is a genus—form a black precipitate in 28-48 hours. Individual CFU are countable and comparable to a plating result.



Incubator Rack



ORDER CODES

25 PathoGel Test Kits **[PATH-25K]**

Incubator Rack **[INCURAC-COL-PTH]**

100 PathoGel Test Kits **[PATH-100K]**

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