



# Micro-Snap™

A New Light on Microbial Detection



Coliform

E. coli



**Micro-Snap** is a rapid test for detection and enumeration of specific bacteria.

The test uses a novel bioluminescent test reaction that generates light when enzymes that are characteristic of specific bacteria react with specialized substrates to produce light. The light generating signal is then quantified in a sensitive, handheld luminometer. Results are available in 1 to 7 hours, depending upon required level of detection. Single figure organisms can be detected in 7 hours, enabling Micro-Snap to give results in the same working day or shift.

#### Applications

- Production surface monitoring
- Raw materials and finished product testing
- Solids, liquids and filterable products

#### Benefits

- Result in 7 hours or less
- Low levels of detection (see chart)
- Pass / Fail result at required detection levels are easy to understand
- Quantitative results (CFU counts)
- Qualitative results (presence/absence)
- Equivalent results to other culturing methods
- No specific sample preparation required
- Independently validated

#### Time & Sensitivity Chart

Incubation Time	Detection limit
1 hour	500,000
2 hours	100,000
3 hours	10,000
4 hours	1,000
5 hours	100
6 hours	10
7 hours	1-5

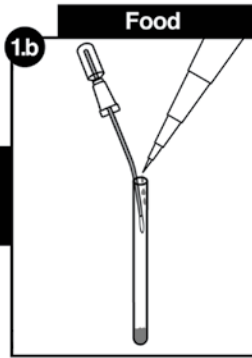
Name	Catalog	Qty
EnSURE (Luminometer)	ENSURE	1 ea
Micro-Snap Enrichment Swab (Coliform + E.coli)	MS-ES-CE-100	100 pc
Micro-Snap Enrichment Broth (Coliform + E.coli)	MS-EB-CE-100	100 pc
Micro-Snap Test (Coliform)	MS-CC-100	100 pc
Micro-Snap Test (E.coli)	MS-EC-100	100 pc
Incubator	INCUBATOR	1 ea
Calibration Control Kit	PCD4000	1 each



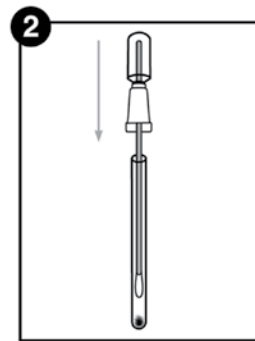


With Enrichment device, swab a 10x10cm area.

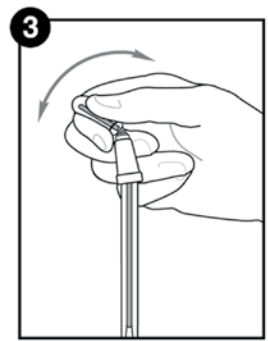
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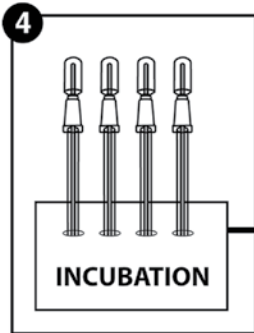
Add 1ml of a 10% food homogenate (sample) to Enrichment Swab tube.



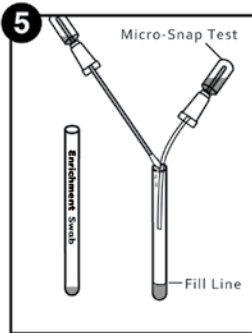
Reinsert Snap-Valve bulb into swab tube.



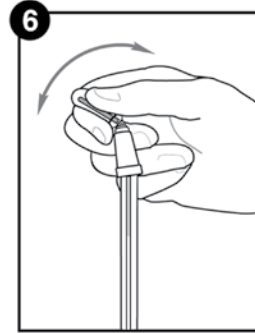
Bend bulb, snapping the snap valve rod and squeeze to release and mix sample.



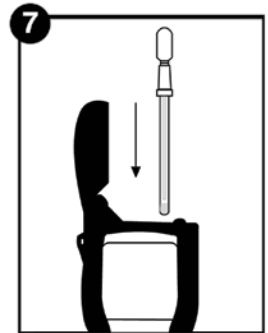
Incubate for 4 – 7 hours at 37°C



Transfer 100ul or 3 drops from Enrichment swab to Micro-Snap test.

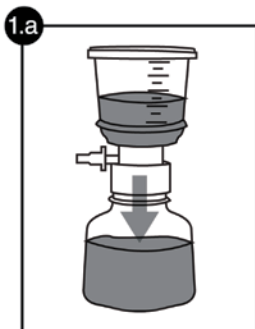


Bend Micro-Snap bulb to break Snap-Valve rod and squeeze bulb 3 times. Incubate for 10 minutes at 37°C.



Insert into luminometer and read results.

## How to Use: Water & Filterable Liquids

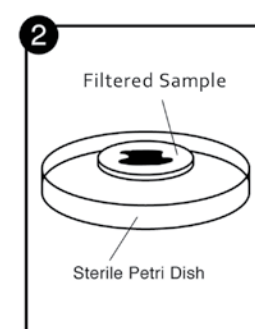


Filter sample through a 0.45 µm (micron) filter.

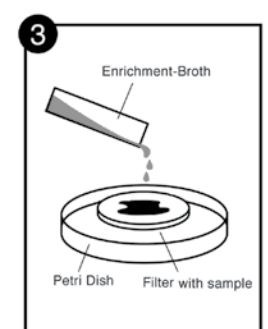
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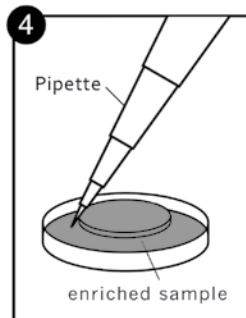
Filter sample through a 0.45 µm (micron) syringe filter.



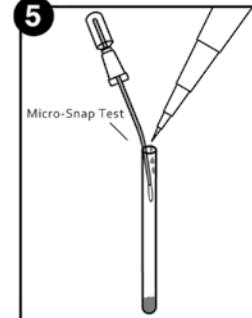
Aseptically remove the filter after filtration and place it in a sterile Petri Dish.



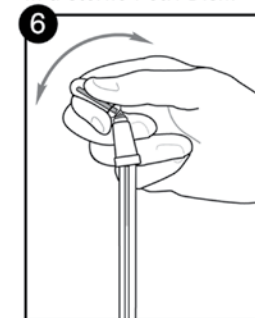
Add 2mL of Enrichment Broth to the Petri Dish.



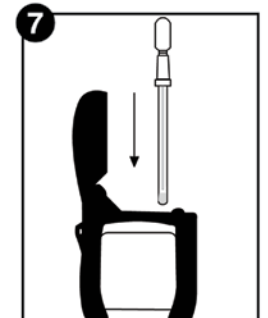
Incubate for 4 – 7 hours at 37°C and aseptically remove 100ul.



Transfer 100ul of enriched sample to the Micro-Snap test.



Bend Micro-Snap bulb to break Snap-Valve rod and squeeze bulb 3 times. Incubate for 10 minutes at 37°C.



Insert into luminometer and read results.