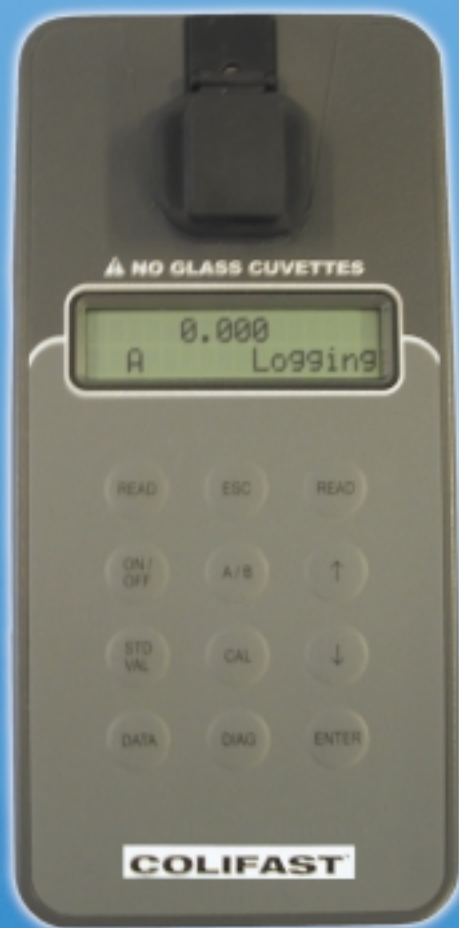


Colifast[®] Microdetector

Rapid Microbial Detection
for Pasteurized Milk and Water



COLIFAST[®]

COLIFAST MICRODETECTOR offers rapid presence/absence results for detection of microorganisms in pasteurized milk and water.

- Tests for total coliforms, thermotolerant coliforms and E.coli are available for water quality monitoring.
- Test for total coliforms and thermotolerant coliforms in pasteurized milk.

COLIFAST MICRODETECTOR PROCEDURE

1. Mix sample and liquid media.
2. Incubate (Incubator not supplied).
4. Transfer to cuvette.
5. Read sample. If positive, vial fluoresces and Pass/Fail information is given.

BENEFITS

- Shorter test time
- Early Warning
- Simple
- The result can be transferred to Excel



DETECTION

PASTEURIZED MILK:

Early warning after app. 1 hour.
Time to Detect \leq 10 hours for 1 cfu/ml.

Example: **PASTEURIZED MILK**

Coliform Bacteria Level (cfu/ml)	Incubation Time/ Time to Detection (hours)
10 000	1
1000	3
100	7
10	8
1	9/10

WATER:

Early warning after approx. 2 hours, when samples with high levels, ca. 1000 cfu/ml, of bacteria are analysed. Time to Detect \leq 14 hours for 1 cfu/ml.

DETECTION PRINCIPLE

The patented Colifast technology combines a selective growth medium with an analyser. The growth medium for total coliforms and thermotolerant coliforms includes the substrate 4-methylumbelliferyl- β -D-galactoside, which fluoresces after hydrolysis by the β -galactosidase enzyme present in coliform bacteria.

The growth medium for E.coli fluoresces after hydrolysis of 4-methylumbelliferyl- β -D-glucuronide by β -glucuronidase.

Differential incubation temperatures of 44-44.5 °C and 35-37 °C are used to distinguish between thermotolerant coliforms and total coliforms respectively. Inhibitors suppress the growth of nontarget organisms.

Please contact Colifast for further information.

Colifast AS, Strandveien 35 • P.O.Box 31 • N-1324 Lysaker, Norway
Tel.: +47 67 10 05 10 • Fax: +47 67 10 05 20
e-mail: post@colifast.no • www.colifast.no.