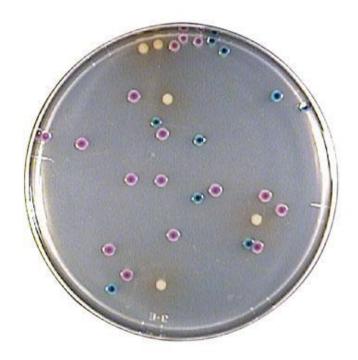


E.coli & Coliforms Chromogenic Medium



E.coli & Coliforms Chromogenic Medium

Coliforms and E. coli simultaneous detection (Sodium lauryl sulfate);

Desoxycholate Lactose Agar replaces deoxycholate agar medium to be the new generation medium and is included in the "Food Hygiene Inspection Guide" [Appendix II] prepared by the Japanese Ministry of Health, Labor and Welfare.

Colonies Coloring:

E. coli colonies appear purple to blue purple;

Coliforms colonies appear red to red purple;

Other intestinal bacteria are white.

Functional Applications <Food / Water / Milk / Ice Cream / Meat

Products>

It is widely used in the simultaneous qualitative and quantitative detection of

coliforms, Escherichia coli and other intestinal bacteria in food, water, milk, ice

cream and meat products.

Usage method of E.coli & Coliforms Chromogenic Medium

Add 7.85g (1bag) of powder medium into 200ml of pure water, dissolve by heating

or autoclaving, mix the medium with the sample below 50 ° C to mixed culture; or

pour into the culture dish, the sample was uniformly coated on the surface of the

plate on which the medium had solidified, smeared and cultured at 35-37 ° C for

18-24 hours. Since about 95% of E. coli contains β -glucuronidase, it hydrolyzes the

reaction substrate X-GLUC, and the hydrolyzates appear blue to light purple. The

coliforms produces β -galactosidase, which catalyzes the hydrolysis of

Magenta-GAL, and the hydrolyzates appear red to purple. Other Gram-positive

bacteria are inhibited. The product cannot be used to identify E.coli O157

separately.



Performance characteristics of E.coli & Coliforms Chromogenic Medium

Three colors / simultaneous detection / quantitative counting

- 1. The medium contains two chromogenic substances, which can directly recognize coliforms and E. coli without adding any reagents.
- 2. It is easy to use, no need to mix medium, and the sensitivity of colony color change is completely suitable for food microbial inspection, and easy to count.
- 3. SDS (sodium lauryl sulfate) in the medium inhibits Gram-positive bacteria and yeast.

Product Name	Model	Packing	Validity
			Period
E.coli & Coliforms	XMA-01	Packing: 7.85g/bag X	3years
Chromogenic medium		40bags/box	