



Guangdong Huankai Microbial Sci. & Tech.Co.,Ltd.

广东环凯微生物科技有限公司

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CRM003 E.coli & Coliform Chromogenic Medium (ECC)

(Chromogenic Coliform & E.coli Agar)

Usages:

For the rapid detection and of coliforms and E. coli.

Principle:

Peptone and yeast extract powder provides carbon and nitrogen sources and trace elements; sodium chloride maintains osmotic equilibrium; agar as medium coagulant; dodecyl sulfate inhibit Gram-positive bacteria; chromogenic substrate were mixed occurrence of coliforms and E. coli enzyme corresponding specific reactions, hydrolysis of the substrate, the release of the color groups, in a pale yellow plates coliforms appears orange-red colonies while E.coli appears blue-green colonies.

Formulation (per liter):

Peptone 10g

Yeast extract powder 3.0g

Sodium chloride: 5.0g

Sodium lauryl sulfate: 0.1g

Agar: 12.0g

Mixed chromogenic substrate: 2.7g

Final pH 7.0 ± 0.2

How to use:

1.Suspend 32.8g in 1.0 L of distilled or deionized water, heated to boiling stir until completely dissolved, dispensing into flask, no autoclaved.

Quality control:

This product appears light yellow after pouring on plate, these strains were inoculated after 36 ± 1 °C 18 ~ 24h culture growth in the following table.

Bacteria name	bacteria NO.	growth situation	feature
Escherichia coli	ATCC25922	good	blue-green colonies
Citrobacter	ATCC8090	good	orange-red colonies
Salmonella typhimurium	CMCC50115	good	colorless colonies
Enterococcus faecalis	ATCC29212	suppressed	-----

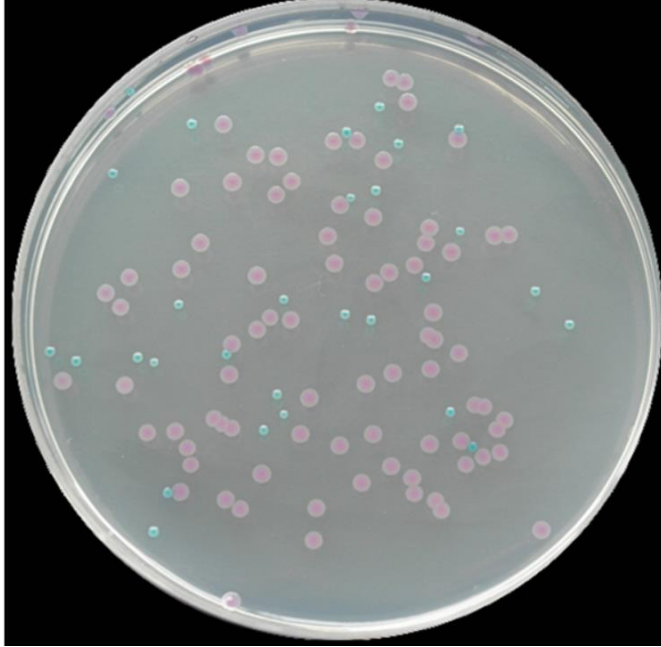
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E.coli :Blue-green colonies

Other Coliforms:Purple-red colonies

Others : Colorless colonies or inhibited

Storage: Keep container tightly closed, store in a cool, dry place, away from bright light.

Specifications: 32.8g / bottle (Configurable for 1L of Medium)