



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

广东环凯微生物科技有限公司

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CRM002 E.coli Chromogenic Medium

(Chromogenic E.coli Agar)

Usages:

For the rapid detection and enumeration of Escherichia 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 and large intestine coli β - glucuronidase enzyme specific reaction, hydrolysis of the substrate, the release of the color groups produce green colonies on the light yellow plate.

Formulation (per liter):

Peptone :10.0g

Yeast extract powder: 3.0g

Sodium chloride: 5.0g

Sodium lauryl sulfate:0.1g

Agar: 12.0g

Chromogenic substrate 2.7g

Final pH 7.0 ± 0.2

How to use:

1.Suspend 32.8g of the product, adding 1.0L of distilled or deionized water, heated to boiling stirring until completely dissolved, cool to 50°C , pour plate in a sterile environment.

Quality Control

This product appears light yellow after the pouring on plate, these strains were inoculated after $36 \pm 1^{\circ}\text{C}$ 18 ~ 24h culture growth in the following table.

Bacteria name	bacteria NO.	growth situation	feature
Escherichia coli	ATCC25922	$PR \geq 0.7$	blue-green colonies
Citrobacter	ATCC43864	---	colorless colonies
Enterococcus faecalis	ATCC29212	$G \leq 1$	----

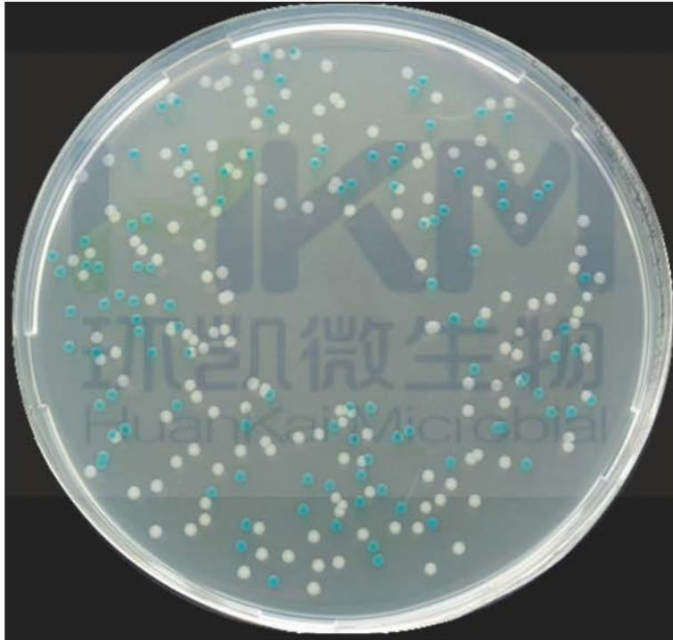
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E.coli : Blue-green colonies

Other bacteria: Colorless or inhibited

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

Specifications: Configurable 1L of Medium .