



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

广东环凯微生物科技有限公司

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CRM004 Salmonella Chromogenic Medium
(Chromogenic Salmonella Agar)

Usages:

For rapid isolation and identification of Salmonella.

Principle:

Ability antibacterial agents against Gram-positive bacteria, and enhance the medium inhibit bacteria; peptone and yeast extract powder provides carbon and nitrogen sources and trace elements; sodium chloride maintains osmotic equilibrium; agar as culture medium coagulant ; mixing pigment with Salmonella and coliforms, respectively corresponding to the occurrence of a specific enzyme reaction, hydrolysis of the substrate, the release of the color groups in the pale yellow tablet Salmonella produce magenta colonies, coliform produce blue-green colonies .

Formulation (per liter):

Peptone :19.6g

Yeast extract powder:3g

Sodium chloride: 5g

Bacteriostatic agent :1.5g

Agar :12g

Mixed Pigment: 6.4g

Final pH 7.0 ± 0.2

How to use:

1.Suspend 47.5g in 1000ml of distilled water, heat with frequently agitation and boil to completely dissolve. Do no autoclave.cooled to 50 °C and pour into sterile petri dishes.

3. Incubation temperature & time : 36 ± 1 °C for 24h

Quality control:

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

Bacteria name	bacteria NO.	growth situation	feature
Salmonella typhimurium	CMCC50115	good	magenta colonies
Escherichia coli	ATCC25922	good	blue-green colonies
Proteus mirabilis	CMCC (B) 49005	good	colorless colonies
Enterococcus faecalis	ATCC29212	suppressed	-----

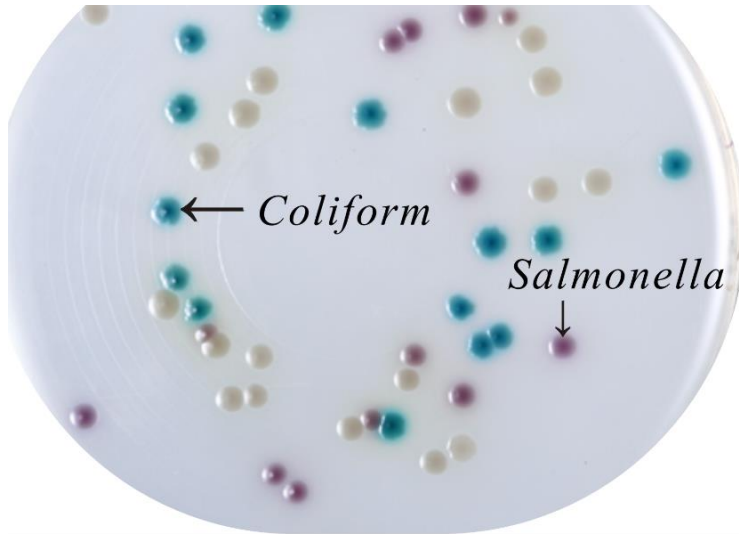
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Salmonella :Magenta-red colonies

Coliform:Blue-green colonies

Others : Colorless colonies or inhibited

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

Specifications: 47.5g (Configurable 1L of Medium)