

Product Name : MacConkey Agar without Crystal Violet

Differential medium for *enterobacteria* determination in waters and food.

TYPICAL FORMULA (G/L)

Peptone 20.0
Lactose 10.0
Bile Salts n°3 1.5
Sodium Chloride..... 5.0
Neutral Red 0.03
Agar 13.5
Final pH = 7.3 ± 0.2 at 25°C

DIRECTIONS

Suspend 50.04 G of powder in 1 L of distilled or deionized water. Heat to boiling until completely dissolved. Sterilize in autoclave at 121°C for 15 minutes. Cool to 45-50°C. Dispense in petri dishes.

DESCRIPTION

MacConkey Agar without Crystal Violet is a medium moderately selective and differential for isolation of coliforms and intestinal pathogens in water, dairy products and other specimen. Coliforms cultivate with pink-red colonies, non-lactose fermentants *enterobacteria* cultivate with transparent colonies. *Staphylococci* cultivate with light pink-red colonies and *enterococci* with red colonies. Absence of crystal violet allows growth of *staphylococci* and *enterococci*.

TECHNIQUE

Inoculate the specimen streaking onto the surface of the medium using a sterile loop. Incubate at 36 ± 1°C for 18-24 hours.

QUALITY CONTROL

Dehydrated medium

Appearance: free-flowing, homogeneous.

Color: pinkish beige.

Prepared medium

Appearance: slightly opalescent without significant precipitate.

Color: reddish orange.

Incubation conditions: 36 ± 1°C / 18-24 hours .

Microorganism	ATCC	Growth	Characteristics
<i>Escherichia coli</i>	25922	good	pink colonies/bile precipitates
<i>Salmonella typhimurium</i>	25177	good	colorless colonies
<i>Enterococcus faecalis</i>	19433	good	red colonies
<i>Proteus mirabilis</i>	12453	good	colorless colonies

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STORAGE

The powder is very hygroscopic: store the powder at room temperature, in a dry environment, in its original container tightly closed and use it before the expiry date on the label or until signs of deterioration or contamination are evident. Store prepared plates at 2-6°C.

REFERENCES

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PACKAGING

Cat. No : MB-M1195 MacConkey Agar without Crystal Violet	500 G
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