MAC CONKEY AGAR OMS WITHOUT CRYSTAL VIOLET

Differential and moderately selective medium, for the isolation and differentiation of coliform bacteria and intestinal pathogens in water, dairy products and other specimens.

TYPICAL FORMULA (g/l)

Peptone	17.00
Gelatin Peptone	3.00
Lactose	10.00
Bile Salts	5.00
Sodium Chloride	5.00
Neutral Red	0.05
Agar	15.00

DIRECTIONS

Suspend 55g in 1000ml of cold distilled water, heat to boiling and autoclave at 121°C for 15 minutes. Dry the surface of the medium before inoculation.
Final pH 7.3 ± 0.2

DESCRIPTION

MacConkey Agar OMS W/O CV is a differential and moderately selective medium for the isolation and differentiation of coliform bacteria and enteric pathogens in water, dairy products and other specimens. MacConkey Agar OMS W/O CV corresponds to the medium recommended by the WHO, The Dept. of Health, and by Windle Taylor for the isolation of coliforms in water. The medium is slightly less selective than MacConkey Agar, because does not contain crystal violet and contains Bile Salts instead of Bile Salts No.3.

TECHNIQUE

Incubate the inoculated plates for 18-48 hours at 35°C. Examine daily for typical colonial growth and morphology. The coliform bacteria produce red-violet colonies after an incubation of 18-24 hours at 37°C. The lactose not-fermenting bacteria produce transparent or opaque yellow colonies.

User quality assurance (37°C - 24hrs)
Productivity Control
E.coli ATCC 25922: growth, red pink colonies
E.faecalis ATCC 29212: growth, small red colonies

STORAGE

Dehydrated medium: 10-30°C
User prepared plates: 15 days at 2-8°C

REFERENCES

• Dept. of Health Social Security (1969) - The bacteriological examination of water supplies. 4th Ed. MHSO, London.
• Windle Taylor, E. (1958) - The examination of waters and water supplies. 7th Ed. Churchill Ud., London.
• World Health Organisation (1963) - International Standards for Drinking Water, 2nd Ed. WHO, Geneve.

PACKAGING

4016711	**MacConkey Agar OMS w/o CV,**	**100 g (1.8 l)**
4016712	**MacConkey Agar OMS w/o CV,**	**500 g (9.1 l)**

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