

MAC CONKEY AGAR N°2

A modification of MacConkey Agar for the recognition of enterococci

Typical Formula (g/l)

Peptone	20.00
Lactose	10.00
Bile Salts	1.500
Sodium Chloride	5.000
Neutral Red	0.050
Crystal Violet	0.001
Agar	15.000

DIRECTIONS

Suspend 51.5g 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 7.2 ± 0.2

DESCRIPTION

MacConkey Agar N° 2 is a modification of the original formula, and is used to estimate the degree of pollution in water, foodstuffs etc. contaminated by both coliforms and enterococci. Besides the coliforms, faecal streptococci also grow on the medium in small red colonies. Non-lactose-fermenting bacteria produce colourless colonies; staphylococci and non-faecal streptococci are inhibited. MacConkey Agar N° 2 is also recommended for the total bacterial counts in urine.

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

PACKAGING

4016731	MacConkey Agar N° 2	100g (1.9 l)
4016732	MacConkey Agar N° 2	500g (9.7 l)