

## MacConkey Agar

TN 1156 500 g



### Intended use

Used for the isolation of Enterobacteriaceae from stool, urine, food, and waste water samples and other materials, also in cases involving a high incidence of salmonellae and shigellae.

### Form

Powder

### Colour

Reddish

### Storage

Dry, tightly closed, at 10...25 °C.

### Shelf life

5 years

### Typical composition

Component	g/l
Peptone	20
Lactose	10
Sodium chloride	5
Bile salts No. 3	1.5
Neutral red	0.03
Crystal violet	0.001
Agar	12

### Directions

Suspend 48.5 g in 1 litre distilled water and heat until completely dissolved. Autoclave at 121 °C for 15 minutes.

### Final pH at 25 °C

7.2 ± 0.2

### Microbiological quality control

Incubate MacConkey Agar aerobically for 18-24 hours at 36 ± 1 °C.

Test strain	ATCC no.	CFU/ plate	Colony morphology
<i>Escherichia coli</i>	8739	10-100	red colonies with precipitate
<i>Salmonella</i> Typhimurium	14028	10-100	honey-coloured colonies, culture medium honey-coloured
<i>Pseudomonas aeruginosa</i>	9027	10-100	colourless colonies, culture medium honey-coloured
<i>Shigella flexneri</i>	25929	10-100	honey-coloured colonies, culture medium honey-coloured
<i>Proteus mirabilis</i>	29906	10-100	honey-coloured colonies, culture medium honey-coloured, swarming inhibited
<i>Staphylococcus aureus</i>	25923	100-1000	no growth
<i>Enterococcus faecalis</i>	29212	100-1000	no growth