

MacConkey Agar acc. to harm. EP/USP/JP

TN 1075
TN 1074

500 g
5 Kg



Intended use

Test for *Escherichia coli*. Culture medium for testing non sterile products. This culture medium is based on the recommendations of the harmonised method acc. to EP/USP/JP (2006).

Form

Powder

Colour

Reddish

Storage

Dry, tightly closed, at 10...25 °C.

Shelf life

5 years

Directions

Suspend 50.0 g in 1 litre distilled water and heat until completely dissolved. Autoclave 15 minutes at 121 °C.

Typical composition

Component	g/l
Pancreatic digested gelatin peptone	17.0
Meat peptone and Casein peptone	3.0
Lactose monohydrate	10.0
Sodium chloride	5.0
Bile salts	1.5
Neutral red	0.03
Crystal violet	0.001
Agar	13.5

Final pH at 25 °C

7.1 ± 0.2

Microbiological quality control

Test strain	Inoculum (CFU)	Recovery rate test / inoculum	Colony morphology	Incubation
<i>Escherichia coli</i> ATCC 8739	10-100	≥ 50 %	red colonies, possibly with a pit in the middle with clearly visible precipitate corona	aerobically, max. 18 h, 30-35 °C
<i>Escherichia coli</i> ATCC 25922	10-100	≥ 50 %	red colonies, possibly with a pit in the middle with clearly visible precipitate corona	aerobically, max. 18 h, 30-35 °C
<i>Salmonella Typhimurium</i> ATCC 14028	10-100	≥ 50 %	honey-coloured colonies, culture medium honey-coloured	aerobically, max. 18 h, 30-35 °C
<i>Pseudomonas aeruginosa</i> ATCC 9027	10-100	≥ 50 %	colourless colonies, culture medium honey-coloured	aerobically, max. 18 h, 30-35 °C
<i>Shigella flexneri</i> ATCC 29929	10-100	≥ 50 %	honey-coloured colonies, culture medium honey-coloured	aerobically, max. 18 h, 30-35 °C
<i>Proteus mirabilis</i> ATCC 29906	10-100	≥ 50 %	honey-coloured colonies, culture medium honey-coloured no swarming	aerobically, max. 18 h, 30-35 °C
<i>Klebsiella pneumoniae</i> ATCC 13883	10-100	≥ 50 %	slimy and red colonies with no precipitate corona	aerobically, max. 18 h, 30-35 °C
<i>Acinetobacter baumannii</i> ATCC 19606	10-100	≥ 50 %	honey-coloured colonies, culture medium honey-coloured	aerobically, min. 18 h, 30-35 °C
<i>Staphylococcus aureus</i> ATCC 6538P	100-1000	n. a.	n. a.	aerobically, min. 72 h, 30-35 °C
<i>Enterococcus faecalis</i> ATCC 19433	100-1000	n. a.	n. a.	aerobically, min. 72 h, 30-35 °C
<i>Candida albicans</i> ATCC 10231	100-1000	n. a.	n. a.	aerobically, min. 72 h, 30-35 °C

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