

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

TN 1027 500 g



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

Powde

Colour

Greenish

Storage

Dry, tightly closed, at 10...25 °C.

Shelf life

5 years

Directions

Suspend 35 g in 1 litre distilled water and autoclave 15 minutes at 121 °C.

Typical composition

Component	g/l
Pancreatic digest of gelatin	20.0
Lactose-monohydrate	10.0
Dehydrated ox bile	5.0
Bromocresol purple	0.01

Final pH at 25 °C

7.3 ± 0.2

Microbiological quality control

Test strain	Inoculum CFU/10 ml	Colour change to yellow	Gas formation	Incubated Broth	Smear on MacConkey Agar	Incubated smears
<i>Escherichia coli</i> ATCC 8739	10-100	positive	positive	aerobically, max. 24 h, 42-44 °C	good growth, red colonies with precipitate	aerobically, max. 18 h, 30-35 °C
<i>Escherichia coli</i> ATCC 10536	10-100	positive	positive	aerobically, max. 24 h, 42-44 °C	good growth, red colonies with precipitate	aerobically, max. 18 h, 30-35 °C
<i>Escherichia coli</i> ATCC 25922	10-100	positive	positive	aerobically, max. 24 h, 42-44 °C	good growth, red colonies with precipitate	aerobically, max. 18 h, 30-35 °C
<i>Salmonella Typhimurium</i> ATCC 14028	100-1000	negative	negative	aerobically, min. 48 h, 42-44 °C	good growth, honey-coloured colonies	aerobically, max. 18 h, 30-35 °C
<i>Proteus mirabilis</i> ATCC 29906	100-1000	negative	negative	aerobically, min. 48 h, 42-44 °C	good growth, honey-coloured colonies	aerobically, max. 18 h, 30-35 °C
<i>Pseudomonas aeruginosa</i> ATCC 9027	100-1000	negative	negative	aerobically, min. 48 h, 42-44 °C	good growth, honey-coloured colonies	aerobically, max. 18 h, 30-35 °C
<i>Staphylococcus aureus</i> ATCC 6538	100-1000	negative	negative	aerobically, min. 48 h, 42-44 °C	now groth	aerobically, min. 72 h, 30-35 °C

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