

MacConkey Agar EP/USP/ISO

N° Cat: 1052

N° Batch: 109081

Re-test Date: 9/2024

Regulations: USP / European Pharmacopoeia / ISO 21150 / ISO 21567



Formula in g/l

Bacteriological agar	13,5	Bile salts	1,5
Crystal violet	0,001	Gelatin pancreatic digest	17
Neutral red	0,03	Peptone mixture	3
Sodium chloride	5	Lactose monohydrate	10

Quality control

Solubility	Appearance	Color of the dehydrated medium	Color of the prepared medium	Final pH (25°)	Batch pH
w/o rests	Fine powder	Beige-pink	Violet-red.	7,1±0,2	7,0

Microbiological test

According to European Pharmacopoeia; *Escherichia coli* ATCC 8739:

Incubation conditions: (30-35 °C / 18-72 h)

Inoculation conditions: (<=100 CFU)

According to ISO 21567; *Shigella dysenteriae*:

Incubation conditions:(37±1 °C / 20-24 h)

According to ISO 21150; *Escherichia coli* ATCC 8739:

Incubation conditions: (30-35 °C / 24-48 h)

Rest of strains; *Enterobacter aerogenes*, *Proteus vulgaris*, *Salmonella enteritidis* and *Staphylococcus aureus*, *Escherichia coli* ATCC 25922:

Incubation conditions: (35±2°C / 24 h).

Microorganisms	Specification	Characteristic reaction
<i>Enterobacter aerogenes</i> ATCC 13048	Good growth	Pink-red colonies
<i>Salmonella enteritidis</i> ATCC 13076	Good growth	Colorless colonies
<i>Shigella dysenteriae</i> ATCC 13313	Good growth	Colorless colonies
<i>Proteus vulgaris</i> ATCC 13315	Good growth	Colorless colonies
<i>Escherichia coli</i> ATCC 25922	Good growth	Pink-red (bile precipitate) colonies
<i>Staphylococcus aureus</i> ATCC 6538	Inhibition	
<i>Escherichia coli</i> ATCC 8739	Good growth	Pink-red (bile precipitate) colonies

This certificate is an electronic copy of the certificate available in our laboratory and does not require signature.