MacConkey-Agar

TN1156	500	g
TN1156-01	5	kg

Intended Use
Used for the isolation of Enterobacteriaceae from foods and waste water, even with a correspondingly high incidence of salmonella and shigella. No IVD - The laboratory diagnostic testing of human samples has not been evaluated.

Form
Powder

Colour
Reddish

Shelf life
Dry, tightly closed, at 10...30 °C.

Haltbarkeit
5 Jahre

Microbiological quality control
Incubation: aerobically, 18-24 h at 36 ± 2 °C

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

Typical compositions

Component	g/l
Peptone	20,0
Lactose	10,0
Sodium chloride	5,0
Bile salts No.3	1,5
Neutral red	0,03
Crystal violet	0,001
Agar	12,0

Final pH at 25 °C
7.2 ± 0.2

Test strain	CFU / plate	Recovery rate test / inoculum in %*)	Colony morphology
Escherichia coli ATCC 8739 WDCM 00012	50-100	≥ 50 %	red colonies with precipitate
Salmonella Typhimurium ATCC 14028 WDCM 00031	50-100	≥ 50 %	honey-coloured colonies, culture medium honey-coloured
Pseudomonas aeruginosa ATCC 9027 WDCM 00026	50-100	≥ 50 %	colourless colonies, culture medium honey-coloured
Shigella flexneri 1a ATCC 25929	50-100	≥ 50 %	honey-coloured colonies, culture medium honey-coloured, no swarming
Proteus mirabilis ATCC 29906 WDCM 00023	50-100	≥ 50 %	honey-coloured colonies, culture medium honey-coloured, swarming inhibited
Staphylococcus aureus ATCC 25923 WDCM 00034	≥ 10^4	≤ 0.1 %	no growth
Enterococcus faecalis ATCC 29212 WDCM 00087	≥ 10^4	≤ 0.1 %	no growth

*) Reference medium used: Blood Agar
A recovery rate of e.g. ≥ 50 % corresponds to a productivity ratio of P_R ≥ 0.5.

Date of revision: 2025/11/03

Manufacturer: sifin diagnostics gmbh | Berliner Allee 317-321 | 13088 Berlin | Germany | T: +49 30 700 144-0 | F: +49 30 700 144-30 | info@sifin.de | www.sifin.de