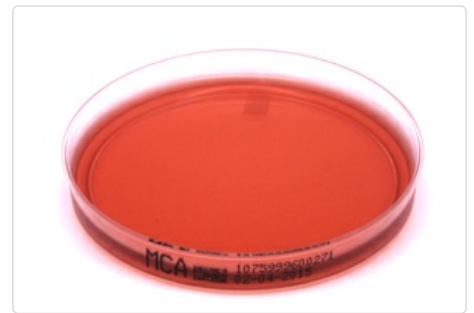


MacConkey-Agar nach harm. EP/USP/JP

Entspricht den Empfehlungen der harmonisierten Methode nach EP/USP/JP

Shorthand symbol:	MCA
Item number:	40-1075
Format:	Petri dish, 90mm
Colour:	Red brown
Storage conditions:	Dry and closed at 4-10°C
Shelf-life:	3 Months
pH:	7.1 ± 0.2 at 25°C



Intended use and fields of application

MacConkey agar is a moderate selective medium used for the detection of Enterobacteriaceae or E. coli in pharmaceutical products, food, water and other materials. The composition of the medium, corresponds to the recommendations of the current European Pharmacopoeia (EP) and the United States Pharmacopoeia (USP) (harmonized methods) as well as largely to § 64 LFGB.

Typical composition in g/l

in g per 1l Medium

Gelatin Peptone, clarify pancrease	17
Meat and Casein peptone	3
Lactose-Monohydrate	10
Sodium chloride	5
Bile salt	1.5
Neutral red	0.03
Crystal violet	0.001
Agar	13.5

*Adjusted as required to meet performance standards

Microbiological quality control

The microbial performance test is carried out in conformity with the requirements of the Pharm. Eur. (Microbiological testing of non-sterile products according to Chapter 2.6.13).

Productivity

Incubation conditions: 16 – 18 hours at 30 – 35 °C; Inoculum concentration: 10 – 100 CFU

Organism	Test strain	Specification	Colony morphology
Escherichia coli	ATCC 8739 / WDCM 00012	Good growth	Pink to red colonies with precipitate background
Pseudomonas aeruginosa	ATCC 9027 / WDCM 00026	Good growth	Bright, honey-colored colonies
Salmonella enterica ssp. abony	NCTC 6017 / WDCM 00029	Good growth	Bright, honey-colored colonies

Selectivity

Incubation conditions: min. 72 hours at 30 – 35 °C; Inoculum concentration: > 100 CFU

Organism	Test strain	Specification	Colony morphology
Enterococcus faecalis	ATCC 19433 / WDCM 00009	Complete inhibition	-
Staphylococcus aureus	ATCC 6538 / WDCM 00032	Complete inhibition	-

Microbial Contamination

Incubation conditions: 5 – 7 days at 20 – 25 °C and 5 – 7 days at 30 – 35 °C

Specification

No microbial contamination