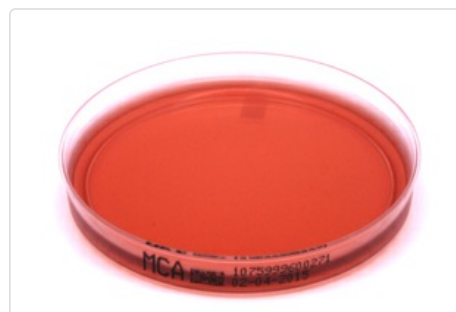


## MacConkey-Agar nach harm. EP/USP/JP

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

|                                                                    |
|--------------------------------------------------------------------|
| <b>Abbreviazione:</b> MCA                                          |
| <b>Numero articolo:</b> 40-1075                                    |
| <b>Scheda:</b> Petri dish, 90mm                                    |
| <b>Colore:</b> Red brown                                           |
| <b>Condizioni di stoccaggio prodotti:</b> Dry and closed at 4-10°C |
| <b>Data di scadenza:</b> 3 Months                                  |
| <b>Valore pH:</b> 7.1 ± 0.2 at 25°C                                |



### Destinazione e applicazione

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.

### Composizione tipica

#### 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

## Controlli di qualita' microbiologici

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