

## Columbia Agar acc. to harm. EP/USP/JP

TN 1191 500 g



### Intended use

Test for clostridia. Culture medium for testing nonsterile products. This culture medium is based on the recommendations of the harmonised method acc. to EP/USP/JP (2006).

### Form

Powder

### Colour

Beige

### Storage

Dry, tightly closed, at 10...25 °C.

### Shelf life

5 Jahre

### Directions

Suspend 41 g in 1 litre distilled water and heat until completely dissolved. Autoclave for 15 minutes at 121 °C and cool down to 45-50 °C.

Add 5-10 % defibrinated sheep or horse blood to the cooled base medium, mix carefully and pour plates.

### Typical composition

| Component                   | g/l  |
|-----------------------------|------|
| Pancreatic digest of casein | 10.0 |
| Meat peptic digest          | 5.0  |
| Heart pancreatic digest     | 3.0  |
| Yeast extract               | 5.0  |
| Maize starch                | 1.0  |
| Sodium chloride             | 5.0  |
| Agar                        | 12.0 |

### Final pH at 25 °C

7.3 ± 0.2

### Microbiological quality control

| Test strain without the addition of blood    | Inoculum (CFU) | Recovery rate Test/Inoculum in % | Colony morphology                             | Incubation                             |
|--|----------------|----------------------------------|---|--|
| <i>Salmonella Typhimurium</i><br>ATCC 14028  | 10-100         | ≥ 70 %                           | colonies are large, slightly yellowish        | aerobically,<br>max. 18 h, 30-35 °C    |
| <i>Escherichia coli</i><br>ATCC 8739         | 10-100         | ≥ 70 %                           | colonies are large, slightly yellowish        | aerobically,<br>max. 18 h, 30-35 °C    |
| <i>Staphylococcus aureus</i><br>ATCC 6538    | 10-100         | ≥ 70 %                           | colonies are medium-sized, slightly yellowish | aerobically,<br>max. 18 h, 30-35 °C    |
| <i>Pseudomonas aeruginosa</i><br>ATCC 9027   | 10-100         | ≥ 70 %                           | colonies are medium-sized, slightly yellowish | aerobically,<br>max. 18 h, 30-35 °C    |
| <i>Streptococcus pyogenes</i><br>ATCC 12344  | 10-100         | ≥ 70 %                           | small, whitish colonies                       | aerobically,<br>max. 18 h, 30-35 °C    |
| <i>Streptococcus pneumoniae</i><br>ATCC 6303 | 10-100         | ≥ 70 %                           | small, whitish colonies                       | microaerophile,<br>max. 18 h, 30-35 °C |
| <i>Clostridium sporogenes</i><br>ATCC 19404  | 10-100         | ≥ 70 %                           | colonies are slightly yellowish               | anaerobically,<br>max. 48 h, 30-35 °C  |

Datum der Fassung: 2014/03/20

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| Teststrain with 5 % blood added              | Inoculum (CFU) | Recovery rate Test/Inoculum in % | Colony morphology                                   | Incubation                             |
|--|----------------|----------------------------------|---|--|
| <i>Salmonella Typhimurium</i><br>ATCC 14028  | 10-100         | ≥ 70 %                           | colonies are large and whitish                      | aerobically,<br>max. 18 h, 30-35 °C    |
| <i>Escherichia coli</i><br>ATCC 8739         | 10-100         | ≥ 70 %                           | colonies are large and whitish                      | aerobically,<br>max. 18 h, 30-35 °C    |
| <i>Staphylococcus aureus</i><br>ATCC 6538    | 10-100         | ≥ 70 %                           | β-haemolysis, colonies are medium-sized and whitish | aerobically,<br>max. 18 h, 30-35 °C    |
| <i>Pseudomonas aeruginosa</i><br>ATCC 9027   | 10-100         | ≥ 70 %                           | Colonies are medium-sized and whitish               | aerobically,<br>max. 18 h, 30-35 °C    |
| <i>Streptococcus pyogenes</i><br>ATCC 12344  | 10-100         | ≥ 70 %                           | β-haemolysis, colonies are small and whitish        | aerobically,<br>max. 18 h, 30-35 °C    |
| <i>Streptococcus pneumoniae</i><br>ATCC 6303 | 10-100         | ≥ 70 %                           | α-haemolysis surrounds the colonies                 | microaerophile,<br>max. 18 h, 30-35 °C |
| <i>Clostridium sporogenes</i><br>ATCC 19404  | 10-100         | ≥ 70 %                           | whitish colonies                                    | anaerobically,<br>max. 48 h, 30-35 °C  |

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