

Nutrient-Agar

Version: 01/2020
M&S item numbers: 4080 (25 x 20 ml) and 5080 (4 x 250 ml)
Profile: Glass tubes and polycarbonate bottles
Color: Beige
Storage: Dark and dry at 4 – 12 °C
Shelf life: 8 months

Description and application range

Nutrient-Agar is used for cultivation of microorganisms and colony count of mesophilic, heterotrophic bacteria from water, food and other samples. It is an universal medium without any inhibitors and additives and according DEV and § 64 LFGB. The medium is manufactured and quality tested in compliance with ISO 11133:2014 + Amd 1:2018 standard.

Typical composition

| | |
|----------------------------|----------|
| Enzymatic digest of casein | 10.0 g/l |
| Meat extract | 10.0 g/l |
| Sodium chloride | 5.0 g/l |
| Bacteriological Agar | 18.0 g/l |

Final pH: 7.3 ± 0.2 at 25 °C

Microbiological quality control

Bacterial contamination

Incubation: aerobically at room temperature for 3 days, specification: no growth

Productivity qualitative analysis

Incubation: aerobically at 37 ± 1 °C for 24 ± 2 h, approx. inoculum: 80 – 120 CFU

| Microorganism | Test strain | Specification | Appearance |
|-------------------------------|--------------------|----------------------|-------------------|
| <i>Escherichia coli</i> | WDCM 00012 | Growth | Beige |
| <i>Pseudomonas aeruginosa</i> | WDCM 00024 | Growth | Beige |
| <i>Staphylococcus aureus</i> | WDCM 00034 | Growth | Beige |