

TECHNICAL DATA SHEET

Article No. 8152

Standard 1 Nutrient Agar

SYNONYMS

Nutrient Agar No. 1

SPECIFICATION

Solid medium for cultivation of fastidious bacteria. DIN 38411

FORMULA* IN G/L

Casein peptone	15.0
Yeast extract	3.0
Sodium chloride	6.0
Dextrose	1.0
Agar	15.0

Final pH 7.5 ±0.2 at 25 °C

*Adjusted and/or supplemented as required to meet performance criteria.

DIRECTIONS

Suspend 40 g of powder in 1 l of distilled water. Heat to boiling with frequent stirring. Distribute into suitable containers and sterilize by autoclaving at 121 °C for 15 minutes.

TECHNIQUE

According to the methods and regulatory guidelines in the laboratory of control, and according to the intended use of the culture medium.



QUALITY CONTROL

- Incubation temperature: 37 ±1 °C
- Incubation time: 24 ±2 h
- Inoculum: Practical range 100 ±20 CFU. Min. 50 CFU (productivity), according to ISO 11133:2014/Amd 1:2018. Spiral Plate Method.

Microorganism	Growth	Remarks
<i>Bacillus subtilis</i> ATCC® 6633	Productivity >0.70	30 ±1 °C/21 ±3 h
<i>Salmonella enterica</i> ATCC® 13076	Productivity >0.70	None
<i>Salmonella typhimurium</i> ATCC® 14028	Productivity >0.70	None
<i>Yersinia enterocolitica</i> ATCC® 9610	Productivity >0.70	30 ±1 °C/21 ±3 h
<i>Escherichia coli</i> ATCC® 8739	Productivity >0.70	None
<i>Escherichia coli</i> ATCC® 25922	Productivity >0.70	None

REFERENCES

- DIN 38411 Deutsche Einheitsverfahren zur Wasser-, Abwasser- und Schlammuntersuchung; Mikrobiologische Verfahren (Gruppe K); Nachweis von *Pseudomonas aeruginosa* (K8).
- LEVETZOW, R. (1971) Untersuchung auf Hemmstoffe im Rahmen der bakteriologischen Fleischuntersuchung- Bundesgesundheitsblatt, 14; 211-213.
- ISO 11133:2014. Microbiology of food, animal feed and water. Preparation, production, storage and performance testing of culture media.

STORAGE

Keep tightly closed, away from light, in a dry place (4-30 °C).

SHELF LIFE

4 years from date of production

updated: 17.03.2023

