

TECHNICAL DATA SHEET

Article no. : 9643.0500

DEV NUTRIENT AGAR

ALSO KNOWN AS

Nutrient Agar no. 2

SPECIFICATION

A general purpose medium according to German regulation for food and water samples.

FORMULA * IN G/L

Meat extract 10.00
Meat peptone 10.00
Sodium chloride 5.00
Agar 18.00

Final pH 7.3 ±0.2 at 25 °C

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

DIRECTIONS

Suspend 43 g of powder in 1 l of distilled water and heat to boiling. Distribute into suitable containers and sterilize by autoclaving for 15 minutes at 121 °C.

DESCRIPTION

DEV Nutrient Agar differs from the usual nutrient formulations in that the greater concentration of nutrients allows improved recovery of stressed or damaged microorganisms. This formulation is according to the German regulation in food and drinking water samples.

QUALITY CONTROL

Incubation Temperature: 35 ± 1°C

Incubation Time: 44 ± 4h

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>Escherichia coli</i> ATCC® 25922	Productivity > 0.70	-
<i>Salmonella thyphimurium</i> ATCC® 14028	Productivity > 0.70	-
<i>Klebsiella pneumoniae</i> ATCC® 13883	Productivity > 0.70	-
<i>Aeromonas hydrophila</i> ATCC® 7966	Productivity > 0.70	-
<i>Bacillus subtilis</i> ATCC® 6633	Productivity > 0.70	-
<i>Pseudomonas aeruginosa</i> ATCC® 27853	Productivity > 0.70	-
<i>Staphylococcus aureus</i> ATCC® 25923	Productivity > 0.70	-

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Amtsgericht Stuttgart / HRA-Nr. 254140
Persönlich haftende Gesellschafterin:
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Amtsgericht Stuttgart / HRB-Nr. 252035
Geschäftsführer: Lutz-Alexander Geyer / Thomas Roth

REFERENCES

- DIN 38411-6 (1991) Deutsche Einheitsverfahren zur Wasser-, Abwasser- und Schlammuntersuchung; Mikrobiologische Verfahren (Gruppe K); Nachweis von Escherichia coli und coliformen Keimen (K6).
 - Verordnung über Trinkwasser und über Wasser für Lebensmittelbetriebe vom 12. Dezember 1990. – Bundesgesetzbl.: Teil I 2613-2669 (1990).
 - ISO 11133:2014. Microbiology of food, animal feed and water. Preparation, production, storage and performance testing of culture media.
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STORAGE

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

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