

TECHNICAL DATA SHEET

Article No. 8764

Malt Extract Broth

SYNONYMS

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SPECIFICATION

Liquid medium for cultivation of yeasts and moulds.

FORMULA* IN G/L

Malt extract 17.00

Final pH 4.8 ±0.2 at 25 °C

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

DIRECTIONS

Dissolve 17 g of powder in 1 l of distilled water. Heat up if necessary. Distribute into suitable containers and sterilize by autoclaving at 115 °C for 10 minutes.

DESCRIPTION

This formulation of the classic Malt Extract Broth is according to Reiss's modification in order to achieve better results for the cultivation of *Aspergillus flavus*.

Malt Extract Broth has been widely used in maintenance, isolation and identification of fungi and it is also proposed in several pharmacopoeias as a medium for the control of sterility in pharmaceutical products. It is frequently used in comparative morphological studies.

TECHNIQUE

Should more selectivity be desired, a few milliliters of 10 % lactic acid, or 5 % tartaric acid can be added. The pH should not be below 3.5 as this makes growth slow and difficult.

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

QUALITY CONTROL

- Incubation temperature: 20-30 °C
- Incubation time: 24 h/5 d
- Inoculum: Practical range 100 ±20 CFU. Min. 50 CFU (productivity), according to ISO 11133:2014.

Microorganism	Growth	Remarks
<i>Candida albicans</i> ATCC® 10231	Good	None
<i>Saccharomyces cerevisiae</i> ATCC® 9763	Good	None
<i>Aspergillus brasiliensis</i> ATCC® 16404	Good	None

REFERENCES

- ATLAS, R.M. & L.C. PARKS (1993) Handbook of Microbiological Media. CRC Press. Boca Raton. Fla. USA.
- ISO 11133:2014. Microbiology of food, animal feed and water. Preparation, production, storage and performance testing of culture media.
- RAPP, M. (1974) Indikator-Zusätze zur Keimdifferenzierung auf Würze und Malzextrakt Agar. Milchwissenschaft 29:341-344.
- REIS, J. (1972) Ein selektives Kulturmedium für den Nachweis von *Aspergillus flavus*. Zbl. Bakt. Hyg. I. Abt. Orig. 220:564-566.x

STORAGE

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

SHELF LIFE

5 years from date of production.

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