

# TECHNICAL DATA SHEET

Article No. 7759

Wort Broth

## **SYNONYMS**

## **SPECIFICATION**

Liquid medium for the production of yeast suspensions.

## FORMULA\* IN G/L

Malt extract	15.00
Casein peptone	1.00
Maltose	12.50
Dextrin	2.50
Potassium dihydrogen phosphate	1.00
Ammonium chloride	1.00

Final pH 4.8 ±0.2 at 25 °C

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

## DIRECTIONS

Suspend 33 g of powder in 1 l of distilled water and add 2-3 ml glycerol. Heat to boiling until completely dissolved. Distribute into suitable containers and sterilize by autoclaving at 121 °C for 15 minutes. Do not overheat.

#### DESCRIPTION

This Broth is the liquid version of the classical Wort Agar (Art. no. 7772). It is especially designed to propagate yeasts, and often has been employed as a semi-selective or enrichment medium, due to its high acidity, which makes it inhibitory for bacteria. This effect may be enhanced by adding, before sterilization, 10 ml/l of a 10 % solution of lactic or tartaric acid. To avoid precipitate it is recommended to sterilize by filtration.



Th. Geyer GmbH & Co. KG Dornierstr. 4 – 6 D-71272 Renningen TeL: +49 7159 1637-0 Fax: +49 7159 1637-710 renningen@thgeyer.de www.thgeyer.de

BW-Bank (Swift/BIC SOLADEST600) IBAN DE85600501010002036302 Postbank Stuttgarl (Swift/BIC PBNKDEFFXXX) IBAN DE3260010070000020708 Deutsche Bank (Swift/BIC DEUTDESSXXX) IBAN DE06600700700125518100 St.-Nr. 70093/40018 / USt-IdNr. DE147510304 Amtsgericht Stuttgart / HRA-Nr. 254140 Persönlich haftende Gesellschafterin: Geyer Beteiligungsgesellschaft mbH Amtsgericht Stuttgart / HRB-Nr. 252035 Geschäftsführer: Lutz-Alexander Geyer / Oliver-Alexander Geyer / André Meise / Ralf Streicher



# **QUALITY CONTROL**

• Inoculum:

- Incubation temperature: 25-30 °C
- Incubation time: 48 h/5 d
  - ≤100 CFU (productivity), according to ISO 11133:20144/Amd 1:2018.

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

#### REFERENCES

- ATLAS, R.M., L.C. PARKS (1993) Handbook of Microbiological Media. CRC Press, Inc. London.
- ISO 11133:2014. Microbiology of food, animal feed and water. Preparation, production, storage and performance testing of culture media.
- MBAA (2002) The Practical Brewer. 3rd ed. Masters Brewers Association of the Americas. Saint Paul. Minnesota.
- PASCUAL ANDERSON. M<sup>a</sup>.R<sup>o</sup>. (1992) Microbiología Alimentaria. Díaz de Santos, S.A. Madrid.
- RAPP, M. (1974) Indikator-zusätze zur Keimdifferenzierung auf Würze und Malzextrakt-Agar. Milchwiss. 29:341-344.
- SCARR (1959) Selective media used in the microbiological examination of sugar products. J. Sci. Food Agric. 10:678-681.

## STORAGE

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

## SHELF LIFE

5 years unopened from date of production.

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