

Product Information

WORT BROTH

Product Number **W2011**

Product Description

Wort Broth is used for the cultivation of yeasts, especially in syrups and butter.¹ Yeasts grow well in culture media containing dextrose or maltose in an acidic environment. The peptic digest of animal tissue and malt extract provide nitrogenous compounds for the growth of yeast. Dextrin and maltose are the fermentable carbohydrates. The highly acidic pH inhibits many bacteria.

Components

Item	g/L
Malt Extract	15.00
Peptic Digest of Animal Tissue	0.78
Maltose	12.75
Dextrin	2.75
Dipotassium Phosphate	1.00
Ammonium Chloride	1.00

Final pH (at 25 °C) 4.8 ± 0.2

Precautions and Disclaimer

For laboratory use only. Not for drug, household or other uses.

Preparation Instructions

Suspend 33.28 grams of Wort Broth in 1000 mls of distilled water containing 2.35 grams of (G6279) glycerol. Boil to dissolve the medium completely. Sterilize by autoclaving at 15 lbs. pressure (121 °C) for 15 minutes.

Storage

Store the dehydrated medium at 24 °C and the prepared medium at 2-8 °C.

Product Profile

Appearance	Yellow colored, homogeneous, free flowing powder.
Color and Clarity.	Yellow colored, opalescent solution forms in tubes, and may contain a flocculent precipitate
Cultural Response	Cultural characteristics are observed after 40-48 hours at 30 °C.

Organisms	(ATCC)	Growth
<i>Aspergillus niger</i>	(1604)	luxuriant
<i>Saccharomyces cerevisiae</i>	(9763)	luxuriant
<i>Saccharomyces uvarum</i>	(9080)	luxuriant
<i>Candida albicans</i>	(10231)	luxuriant

References

1. Parfitt (1933), J. Dairy Sci., 19: 141.
2. MacFaddin, J., (1985). Media for Isolation-Cultivation-Maintenance of Medical Bacteria. Vol.1. Williams and Wilkins. Baltimore, Maryland.
3. American Type Culture Collection, Manassas, Va., U.S.A..

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