

# Wort Broth

Medium used for the cultivation and enumeration of yeasts.

## • CONTENTS (Liter)

Malt Extract	15.0 g
Peptic Digest of Animal Tissue	1.0 g
Maltose	12.75 g
Dextrin	2.75 g
Dipotassium Phosphate	1.0 g
Ammonium Chloride	1.0 g
Final pH = 4.8 ± 0.2 at 25°C	

## • PROCEDURE

Suspend 33.5 G of powder in 1 L of distilled or deionized water. Add 2.5 mL of Glycerol supplement (MB-G1821). Heat to boiling until completely dissolved. Sterilize by autoclave at 121°C for 15 minutes. Cool to 45 - 50°C in water bath. Mix well. Pour into tubes.

## • INTERPRETATION

Wort Broth is a medium used for the cultivation and enumeration of yeasts. Malt extract and peptic digest of animal tissue provide nitrogen, carbon and nutrient. Maltose and dextrin are the carbohydrates. Dipotassium phosphate is the buffering agent. Ammonium chloride promotes the growth of yeasts in the medium. Glycerol is added as a carbon source for bacterial growth.

## • TECHNIC

Inoculate the specimen using a sterile needle to the medium. Incubate at 28 ± 2°C for 40 - 48 hours. Refer appropriate references for recommended test procedure.

## • QUALITY CONTROL FOR USE

### Dehydrated medium

Appearance: free-flowing, homogeneous

Color: beige

### Prepared medium

Appearance: clear to slightly opalescent

Color: amber

Incubation conditions: 28 ± 2°C / 40 - 48 hours

Microorganism	ATCC	Growth
<i>Aspergillus brasiliensis</i>	16404	good
<i>Candida albicans</i>	10231	good
<i>Saccharomyces cerevisiae</i>	76625	good

**• STORE**

The powder is very hygroscopic. Store the powder at room temperature, in a dry environment, in its original container tightly closed and use it before the expiry date on the label. Store prepared medium at 2 - 8°C.

**• REFERENCES**

1. Parfitt, 1933., J. Dairy Sci., 19 : 141.
2. RAPP Milchwiss, 29, 341-344 (1974)

**• PACKAGE**

Cat. No : MB-W2290 Wort Broth	500 G
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