

# Wort Broth, Base

For the cultivation, isolation and enumeration or enrichment of fungi, especially of yeasts.

## General Information

According to RAPP (1974), addition of certain indicator dyes to Wort Agar allows differentiation between yeast and bacterial colonies.

## Mode of Action

The accompanying bacterial flora is weakly suppressed by the pH value of 5.0 and largely by a pH of 3.5.

## Typical Composition (g/litre)

Malt extract 15.0; universal peptone 0.75; maltose 12.75; dextrin 2.75; potassium dihydrogen phosphate 0.75; ammonium chloride 1.0.

**Also to be added:**  
glycerol 2.5 ml.

## Preparation

Suspend 33 g/litre together with 2.5 ml glycerol/litre, if desired dispense into suitable containers, autoclave (15 min at 121 °C).  
pH: 5.0 ± 0.2 at 25 °C.

The prepared broth is clear and yellowish-brown.

## Quality control

Test strains	Growth
<i>Candida albicans</i> ATCC 10231	good / very good
<i>Saccharomyces cerevisiae</i> ATCC 9763	good / very good
<i>Saccharomyces cerevisiae</i> ATCC 9080	good / very good
<i>Geotrichum candidum</i> DSMZ 1240	good / very good
<i>Rhodotorula mucilaginosa</i> DSMZ 70403	good / very good
<i>Penicillium commune</i> ATCC 10428	good / very good
<i>Aspergillus niger</i> ATCC 16404	good / very good
<i>Trichophyton ajelloi</i> ATCC 28454	good / very good

## Experimental Procedure and Evaluation

Inoculate Wort Broth. Further steps depend on the purpose for which the medium is used.

Incubation: up to 7 days at 28 °C aerobically.

## Literature

RAPP, M.: Indikatorzusätze zur Keimdifferenzierung auf Würze- und Malzextrakt-Agar. – Milchwiss., 29; 341-344 (1974).

## Ordering Information

Product	Ordering No.	Pack size
Wort Broth, Base	1.05449.0500	500 g
Glycerol (about 87 %)	1.04094.0500	500 ml