

## Technical Data Sheet

### Wort Agar

Ordering number: 1.05448.0500

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

Wort Agar	
Malt extract	15.0
Universal peptone	0.75
Maltose	12.75
Dextrin	2.75
Glycerol	2.35
Potassium dihydrogen phosphate	0.4
Ammonium chloride	1.0
Agar-agar*	20.0

\*Agar-agar is equivalent to other different terms of agar.

## Preparation

Suspend 55 g/litre by heating briefly, dispense into suitable vessels, autoclave (15 min at 121 °C). **Do not overheat. If possible do not re-liquify.**

pH: 5.0 ± 0.2 at 25 °C.

The prepared medium is clear and brownish.

pH: 3.5: Cool to about 50 °C, add approximately 12 ml of filter-sterilized 10 % lactic acid/liter, mix. **Do not reheat.**

## Experimental Procedure and Evaluation

Inoculate Wort Agar by the pour-plate method or by spreading the sample onto the surface of the medium. Further steps depend on the purpose for which the medium is used.

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

## Quality Control

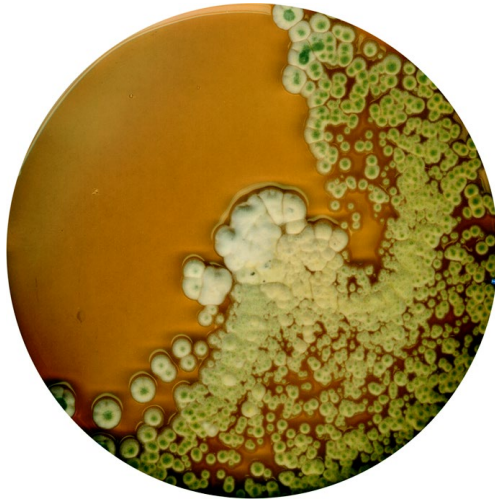
Control strains	Recovery / Growth
Candida albicans ATCC 10231 (WDCM 00054)	≥ 70 %
Saccharomyces cerevisiae ATCC 9763 (WDCM 00058)	≥ 70 %
Saccharomyces cerevisiae ATCC 9080	≥ 70 %
Rhodotorula mucilaginosa DSM 70403	≥ 70 %
Geotrichum candidum DSM 1240	Growth good to very good
Penicillium commune ATCC 10428	Growth fair to very good
Aspergillus brasiliensis (formerly A. niger) ATCC 16404 (WDCM 00053)	Growth good to very good
Trichophyton ajelloi ATCC 28454	Growth fair to good

pH 4,8 – 5,2

Incubation 7 days at 28°C; aerobic (yeasts 3 days)

Please refer to the actual batch related Certificate of Analysis.

A recovery rate of 70 % is equivalent to a productivity value of 0.7.



Penicillium commune ATCC 10428



Rhodotorula mucilaginosa DSMZ 7043

### Literature

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

### Ordering Information

Product	Cat. No.	Pack size
Wort Agar	1.05448.0500	500 g
Wort Agar	1.05448.5000	5 kg
Lactic acid about 90 % purified	1.00366.0500	500 ml

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