

Technical Bulletin

## Yeast Extract Peptone Dextrose Agar, YPD Agar

**Catalogue number Y1500**

### Product Description

YPD Agar is a complete medium for the cultivation of yeast for most yeast species, especially *Saccharomyces cerevisiae*. It is also known as YEPD and consists of yeast extract, bacteriological peptone, glucose, and agar. The ingredients of this medium provide all the necessary nutrients for yeast growth. Essential vitamins, minerals, and amino acids contained in the medium serve as a source of carbon and nitrogen.

### Application

YPD Agar has been used as a nutrient medium for the cultivation of *S. cerevisiae* strains to find a long-term in vitro preservation method for yeast strains in broth microdilution (BMD). The study was conducted based on the minimal inhibitory concentration (MIC) of *Zymoseptori tritici* strains for virulence studies.

### Composition

Agar, 15 g/L

Bacteriological peptone, 20 g/L

Glucose, 20 g/L

Yeast extract, 10 g/L

### Preparation

1. Dissolve 65.0 g of the medium in 1 liter of purified water.
2. Heat to boiling, stirring constantly, until all ingredients are completely dissolved.
3. Autoclave for 15 minutes at a temperature of ~121°C.

---

## Notice

We provide information and advice to our customers on application technologies and regulatory matters to the best of our knowledge and ability, but without obligation or liability. Existing laws and regulations are to be observed in all cases by our customers. This also applies in respect to any rights of third parties. Our information and advice do not relieve our customers of their own responsibility for checking the suitability of our products for the envisaged purpose.

The information in this document is subject to change without notice and should not be construed as a commitment by the manufacturing or selling entity, or an affiliate. We assume no responsibility for any errors that may appear in this document.

### Technical Assistance

Visit the tech service page at [SigmaAldrich.com/techservice](https://SigmaAldrich.com/techservice).

### Terms and Conditions of Sale

Warranty, use restrictions, and other conditions of sale may be found at [SigmaAldrich.com/terms](https://SigmaAldrich.com/terms).

### Contact Information

For the location of the office nearest you, go to [SigmaAldrich.com/offices](https://SigmaAldrich.com/offices).

The life science business of Merck KGaA, Darmstadt, Germany operates as MilliporeSigma in the U.S. and Canada.

MilliporeSigma, and Sigma-Aldrich are trademarks of Merck KGaA, Darmstadt, Germany or its affiliates. All other trademarks are the property of their respective owners. Detailed information on trademarks is available via publicly accessible resources.

© 2024 Merck KGaA, Darmstadt, Germany and/or its affiliates. All Rights Reserved.  
Y1500 Rev 07/24

The logo for MilliporeSigma, featuring the word "MILLIPORE" in a bold, red, sans-serif font above the word "SIGMA" in a similar bold, red, sans-serif font.