

YPD Agar

#GCM14.0500 (500g)
(FOR RESEARCH ONLY)



Product: Dehydrated powder for the preparation of nutritionally rich solid medium (plates) for the growth and maintenance of recombinant strains of developing yeast in molecular biology studies.

YPD Agar is optimized for maintenance and growth of developing yeast, including the cultivation of (recombinant) *Saccharomyces cerevisiae* and *Pichia pastoris*. This medium contains glucose (dextrose), which favors the growth of yeast. Peptone and Yeast Extract are the sources for nitrogen, vitamins, minerals, and amino acids essential for growth.

Quantity: 500g

Formulation (g/L)

Peptone:	20.00	Yeast Extract:	10.00
Dextrose:	20.00	Bacteriological Agar	15.00
Final pH (25°C):	6.5 ± 0.2		

Appearance: Beige powder. Autoclaved medium should be amber, slightly opalescent

Storage: 2°C – 25°C. When not in use, keep container closed to avoid hydration.

QC: Each lot is tested by inoculating freshly prepared medium with a single colony of *Saccharomyces cerevisiae* ATCC 18790 and observation after incubation at 25±2°C for 42-48h.

Bibliography:

Sambrook and Russell (2006) In: The condensed protocols from Molecular cloning: a laboratory manual, 1st ed., Cold Spring Harbor Laboratory Press, Cold Spring Harbor, NY.

Preparation:

Add 65g of the dehydrated medium to one liter of distilled water. Mix well and dissolve by heating with regular agitation. Boil for 1 minute in order to dissolve completely. Dispense in appropriate containers and sterilize by autoclaving at 121°C for 15 to 20 minutes. Cool to 45-50°C and dispense into plates. Plates should be stored at 8°C to 15°C.