

YPD AGAR

#GCM14.0500
(for research only)

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		

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

Quantity: 500g

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.

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.

Supplements

YPD Agar is a rich growth medium, 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.

Quality Control

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.

ORDERING INFORMATION – Culture Media and Components

Reference #	Product Name	Quantity
GCM01.0500	LB Agar (Lennox)	500 g
GCM02.0500	LB Broth (Lennox)	500 g
GCM03.0500	Luria Agar (Miller's LB Agar)	500 g
GCM04.0500	Luria Broth (Miller's LB Broth)	500 g
GCM05.0500	Luria Agar (Miller's Modification)	500 g
GCM06.0500	Luria Broth (Miller's Modification)	500 g
GCM07.0500	Terrific Broth	500 g
GCM08.0500	Modified Terrific Broth	500 g
GCM09.0500	2xYT Medium	500 g
GCM10.0500	2xYT Agar	500 g
GCM11.0500	SOB Medium	500 g
GCM12.0500	SOC Medium	500 g
GCM13.0500	YPD Broth	500 g
GCM14.0500	YPD Agar	500 g
GCM15.0500	YNB w/o amino acids and w/o ammonium sulfate	500 g
GCM16.0500	YNB w/o amino acids with ammonium sulfate	500 g
GCM17.0500	LB Broth (Auto Induction Medium)	500 g
GCM18.0500	2xYT Broth (Auto Induction Medium)	500 g
GCM19.0500	Terrific Broth (Auto Induction Medium)	500 g
GCM20.0500	Super Broth (Auto Induction Medium)	500 g
GCM21.0500	Peptone	500 g
GCM22.0500	Bacterial Peptone	500 g
GCM23.0500	Tryptone	500 g
GCM24.0500	Yeast Extract	500 g
GCM25.0500	Bacteriological Agar	500 g
GCM26.0500	Dextrose	500 g
GCM27.0500	Sucrose	500 g

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