

Yeast Nitrogen Base
w/o added amino acids and w/o ammonium sulfate
#GCM15.0500
(for research only)

Formulation (g/L)

YNB:	1,70
Final pH (25°C):	4,5 ± 0,2

Product: Dehydrated powder for the preparation of YNB liquid medium for the classification of yeast based on their carbon and/or nitrogen requirements.

Quantity: 500g

Appearance: Beige powder.

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

Preparation:

Prepare a 10x stock solution by adding 1,7g of the dehydrated medium to 100ml of distilled water, and 5 grams of dextrose (glucose) or equivalent amount of another carbohydrate and 5-10mg of the desired amino acid(s). Mix well and dissolve by heating with regular agitation. Do NOT Boil. Do NOT autoclave. Sterilize the solution by filtration and store at 2°C to 8°C.

Usage

Prepare Yeast Nitrogen Base medium by pipetting 0,5ml of the 10x stock solution into 4,5ml of distilled, sterile water. Mix by swirling before inoculation. YNB medium w/o added amino acids and w/o ammonium sulfate contains all the essential ingredients (see table below) that are required for the cultivation of yeast, except for the amino acids, a nitrogen source and a carbohydrate source.

Trace Elements (mg/L)

Inositol.....2,0	Boric Acid.....0,5	Manganese sulfate.....0,4	Potassium Iodide.....0,1	Niacin.....0,4
Pyridoxine HCL...0,4	ZnSO ₄0,4	Sodium molybdate0,2	Thiamide HCL.....0,4	Calcium Pantothenate 0,4
Ferric Chloride.....0,2	Biotin0,002	Copper Sulfate.....0,04	p-Aminobenzoic acid ...0,2	Riboflavin.....0,2
Folic Acid.....0,002	monopotassium phosphate..1.0g	Calcium Chloride.....0,1g	Sodium Chloride.....0,1g	Magnesium sulfate.....0,5g

Bibliography

Shadomy and Espinel Ingroff (1980) Susceptibility testing with antifungal drugs. P647-653 In E.H. Lennete *et al.* Manual of Clinical Microbiology 3rd ed. American Society for Microbiology, Washington DC US Dept. Agric. Tech. Bul. No 1029.1951

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

GRiSP Research Solutions

Rua Alfredo Allen, 455

4200-135 Porto

Portugal

www.grisp.pt | info@grisp.pt