RESEARCH PRODUCTS INTERNATIONAL

410 Business Center Drive
Mt. Prospect, Illinois 60056-2190
Ph: 847.635.7330
Fax: 847.635.1177

INGREDIENTS

Yeast Nitrogen Base with Amino Acids
No. Y20030

Contains all essential nutrients and vitamins necessary for the cultivation of yeasts EXCEPT a source of carbohydrate.

Formulation per Liter:

Ammonium Sulfate	5.0g
LD-Methionine	20.0mg
Biotin	2.0µg
Folic Acid	2.0µg
Niacin	400.0µg
Pyridoxine Hydrochloride	400.0µg
Thiamine Hydrochloride	400.0µg
Copper Sulfate	40.0µg
Ferric Chloride	200.0µg
Sodium Molybdate	200.0µg
Monopotassium Phosphate	1.0g
Sodium Chloride	0.1g
L-Histidine Monohydrochloride	10.0mg
LD-Tryptophan	20.0mg
Calcium Pantothenate	400.0 µg
Inositol	2.0mg
p-Aminobenzoic Acid	200.0µg
Riboflavin	200.0µg
Boric Acid	500.0µg
Potassium Iodide	100.0µg
Manganese Sulfate	400.0µg
Zinc Sulfate	0.4mg
Magnesium Sulfate	0.5g
Calcium Chloride	0.1g

Final pH: 5.4 ± 0.2 at 25°C

PREPARATION

Prepare a 10X solution by dissolving 6.7 grams of Yeast Nitrogen Base and 5 grams of Dextrose or equivalent amount of other carbohydrate in 100ml distilled or deionized water. Warm slightly to dissolve and mix well. DO NOT BRING TO A BOIL. DO NOT AUTOCLAVE. Filter-sterilize the solution. Prepare the final medium by aseptically pipetting 0.5ml of the 10X solution into 4.5ml of sterile distilled water. Mix the solution thoroughly by shaking before inoculation.

Storage: 2 to 30°C