

Product Specifications



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YEAST NITROGEN BASE w/o Amino Acids

Product Number

IB49220	500gm
IB49221	1kg
IB49222	2kg
IB49223	5kg

Size

PHYSICAL SPECIFICATIONS

pH (@25°C) 5.4 ± 0.2

<i>Candida albicans</i> ATCC 10231	Good Growth
<i>Kloeckera apiculata</i> ATCC 9774	Good Growth
<i>Saccharomyces cerevisiae</i> ATCC 9080	Good Growth
<i>Saccharomyces cerevisiae</i> ATCC 9763	Good Growth

STORAGE

Store at room temperature. Keep tightly sealed. Protect from moisture and light.

PREPARATION

Prepare a 10X solution by dissolving 6.7gm of the base, 5gm of Dextrose or an equivalent amount of other carbohydrate and 5-10mg of the desired amino acid in 100ml of purified water until evenly dispersed. Warm slightly in a 45 - 50°C water bath with repeated stirring to dissolve. DO NOT BRING TO BOIL. DO NOT AUTOCLAVE. Mix well and filter-sterilize. Store at 2 - 8°C. Prepare the final medium by aseptically adding 0.5ml of the 10X solution to 4.5ml of sterile water. Mix the solution by shaking gently prior to inoculation.

CAS NO.

CAS# _____ n/a

RECOMMENDED USE

Yeast Nitrogen Base without Amino Acids is a broth medium used for classifying yeasts based on amino acid and carbohydrate requirements. It contains all the essential vitamins and inorganic salts necessary for the cultivation of yeasts, except for histidine, methionine tryptophane and a carbohydrate source.

FORMULA (g/L)

Ammonium Sulfate	5.0gm	Calcium Pantothenate	0.4mg
Biotin	2.0µg	Inositol	2.0mg
Folic Acid	2.0µg	p-Aminobenzoic Acid	0.2mg
Niacin	0.4mg	Riboflavin	0.2mg
Pyridoxine Hydrochloride	0.4mg	Boric Acid	0.5mg
Thiamine Hydrochloride	0.4mg	Potassium Iodide	0.1mg
Copper Sulfate	40.0µg	Manganese Sulfate	0.4mg
Ferric Chloride	0.2mg	Zinc Sulfate	0.4mg
Sodium Molybdate	0.2mg	Magnesium Sulfate	0.5gm
Monopotassium Phosphate	1.0gm	Calcium Chloride	0.1gm
Sodium Chloride	0.1gm		

WARNING

Classification: Not classified as a hazard

FOR RESEARCH AND DEVELOPMENT PURPOSES ONLY

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