

PRODUCT INFORMATION



Yeast Nitrogen Base

Cat. No. Y25-104

Date of Issue:
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DESCRIPTION

Yeast Nitrogen Base contains all essential nutrients and vitamins necessary for the cultivation of yeasts except a source of carbohydrate

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. 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.

QUALITY CONTROL SPECIFICATIONS

1. The powder is homogeneous, free flowing and off-white to cream.
2. Visually the prepared medium is clear and almost colorless at 1X, pale to light yellow at 10X.
3. Expected cultural response after 2-5 days at 25°C to 30°C.

Organism:

Candida albicans ATCC® 10231

Kloeckera apiculata ATCC® 9774

Saccharomyces cerevisiae ATCC® 9080

Result:

Good Growth

Good Growth

Good Growth

STORAGE

Store the sealed bottle containing the dehydrated medium at 2 to 30°C. Once opened and recapped, place the container in a low humidity environment at the same storage temperature. Protect it from moisture and light. The dehydrated medium should be discarded if it is not free flowing or if the color has changed from the original color.

Formula* 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

* Grams per liter may be adjusted or formula supplemented to obtain desired performance.