



Cyrusbioscience

Yeast Nitrogen Base without Amino acids

Product No.: 3003

Package: 100g/ 250g/ 500g/ 1Kg

Storage: Store at Room Temperature. Keep cool and dry.

For long-term storage, store at 4°C.

Description

Yeast Nitrogen Base is a highly-referenced growth medium used for the cultivation of yeast. This nutrient-rich microbial broth contains nitrogen, vitamins, trace elements and salts, used in many molecular genetics applications. Prepared according to the formulas of Wickerham. Addition of amino acids and carbon source (usually glucose) may be required.

Application:

Recommended for use in classifying yeasts based on carbon and nitrogen requirements. Contains all essential nutrients required for the growth of yeasts except amino acids and carbohydrate. Addition of amino acids and carbon sources is required.

Preparation Note:

For best results the medium is prepared in 10× stock solution. Suspend 6.9 grams in 100 ml distilled water. Add 5 grams glucose or an equivalent amount of other carbohydrate and other chemicals like amino acids that modify growth of yeasts as desired.

Ensure complete solution and sterilize by filtration. For use, dilute 0.5 ml 10× stock solution to make 5 ml with sterile distilled water. Mix well.

Component :

Nitrogen Source:

Ammonium sulfate 5g/L

Vitamins:

Biotin 2µg/L

Calcium pantothenate 400µg/L

Folic acid 2µg/L

Inositol 2000µg/L

Niacin 400µg/L

p-Aminobenzoic Acid 200µg/L

Pyridoxine hydrochloride 400µg/L

Riboflavin 200µg/L

Thiamine hydrochloride 400µg/L

Trace Elements:

Boric acid 500.0µg/L



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Copper sulfate 40.0µg/L
Potassium iodide 100.0µg/L
Ferric chloride 200.0µg/L
Manganese sulfate 400.0µg/L
Sodium molybdate 200.0µg/L
Zinc sulfate 400.0µg/L

Minerals:

Monopotassium phosphate 1.0g/L
Magnesium sulfate 0.5g/L
Sodium chloride 0.1g/L
Calcium chloride 0.1g/L

Suspend 6.9 grams in 1 liter distilled water