TribioScience Precipitation

For research use only

Tribo™ Nucleic Acid Precipitation Enhancer (Catalog# TBS6010)

DESCRIPTION

The Tribo™ Nucleic Acid Precipitation Enhancer (NAPE) is a highly purified inert carrier to enhance the recovery of nucleic acid (RNA and DNA) in alcohol precipitation. It is a formulated solution of glycogen. Glycogen is insoluble in ethanol or isoproanol and forms a precipitate that traps the nucleic acids in solution, forming a visible pellet by centrifugation. Therefore, this product is suitable to precipitate RNA and DNA.

Glycogen is a totally inert polysaccharide. It will not interfere with any subsequent reaction; therefore, normally it is not necessary to remove it from nucleic acid preparations. It is different from tRNA, yeast RNA or sonicated DNA as a carrier, because it is less likely to interfere with downstream applications. Picogram amounts of RNA, DNA or oligonucleotides can be precipitated using NAPE.

APPLICATIONS

- Precipitation and purification of RNA from dilute solutions.
- Precipitation and purification of DNA from dilute solutions.
- Recovery of oligonucleotide.

CONTENTS

2x 0.5 mL of NAPE in each kit. Concentration is 20 mg/ mL

Storage conditions: Store the solution at -20°C. Shelf life: 12 months after receipt.

PROCEDURES

1. Add 1 µL of Precipitation Enhancer (1:500 dilution) to RNA or DNA in a volume of up to 500 µL.
2. Add 0.1 volume of 3 M sodium acetate, pH 5.2
3. Precipitate the DAN or RNA by adding 2-3 volumes of ethanol. And vortex for 30 seconds.
4. Incubate at -20°C for 1 hour.
5. Centrifuge for 10 min at 10, 000rpm. A visible pellet will be formed.
6. Discard or aspirate the supernatant carefully.
7. Rinse the pellet with cold 70% ethanol. Centrifuge for 2-5 min, and carefully remove the supernatant. Air-dry the DNA pellet.
8. Resuspend the RNA or DNA pellet in 1 x TE buffer.

RELATED PRODUCTS:

Tribo™ Chromatin Immunoprecipitation (ChIP) Assay Kit (catalog# TBS8050)

Mouse Tail DNA Extraction (catalog# TBS6005)

Tissue DNA Extraction Kit (Catalog#TBS6006)

Cell DAN Extraction Kit (Catalog# TBS6007)

This product is for *in vitro* research use only, not intended for use in humans or animals.

Please visit www.tribioscience.com for a complete listing of recommended companion products.

Orders Tel: 650-917-9269; order@tribioscience.com