

Glycogen from Mussel

Catalog Number	Size
#GB102	1, 5, 10, 25 g

Description

Glycogen is a branched polymer of glucose, which is a suitable carrier or co-precipitant in RNA and DNA isolation and purification. 20 µg glycogen allow to precipitate pg-amounts of nucleic acids from a volume of 1 mL. Glycogen quantitatively precipitates DNA or RNA from diluted solutions with a higher efficiency than that of tRNA, linear polyacrylamide or sonicated DNA. Besides, it does not add exogenous nucleic acids like other co-precipitants, such as yeast RNA or tRNA.

Properties

Source: Mussel

Grade: Molecular Biology

Product Type: Lyophilized Powder

Color: White

Moisture: < 10 %

Content (by Assay): ≥ 80%

Solubility (in water): Soluble

Reducing Sugars: < 1%

DNase, RNase, Protease: Not Detected

Formula: (C₆H₁₀O₅)_n

FTIR: Consistent with Assigned Structure

Applications & Benefits

- ✓ Suitable for the precipitation of nucleic acids from diluted solutions with a higher efficiency than that of tRNA, linear polyacrylamide or sonicated DNA.
- ✓ Suitable for the precipitation of DNA in the presence of ammonium acetate and ethanol / isopropanol.
- ✓ No added exogenous nucleic acids like other co-precipitants, such as yeast RNA or tRNA.
- ✓ Free of host DNA and no affecting the OD_{260/280} ratio or determination of nucleic acid concentration.

Storage and Precautions for Use

Storage Temperature: 2-8 °C

Expiry Date: 2 year from date of manufacture

Disclaimer: This product is for research use only, not for drug, household, or other uses.