

Ploy A RNA carrier

Product Number:P133101

Storage and shipping:

Ploy A RNA carrier is temperature stable, can ship at room temperature. Store at -20°C, Keep away from sunlight, sealed in dry place.

Description

Poly A is a Synthetic nucleic acid sequence, which increase the yield of RNA or DNA during extraction process. Ethanol cryoprecipitation is the most commonly method to recover DNA and RNA from liquid samples. However, ethanol precipitation can not completely recover the nucleic acid from the sample, at least 30% of the nucleic acid will lost. If the concentration of nucleic acid in the liquid sample is very low or DNA < 200bp, only 50% DNA and RNA can be recovered by ethanol precipitation. Poly A carrier is a kind of molecular biological poly polymer. Adding poly A carrier in ethanol precipitation can significantly improve the yield of nucleic acid precipitation, and the recovery of trace DNA can reach 95-98%. At the same time, short primer (< 22bp) fragments and dNTP can be selectively removed for precipitation and recovery of labeled probes, and untagged dNTP can be removed. Compared with biologically derived nucleic acid precipitation aids such as glycogen and tRNA, poly carrier itself is free of nucleic acid pollution, DNase and RNase activity, and does not affect digestion, connection, transcription, PCR, transformation and transfection, nor does it affect DNA electrophoresis and DNA protein interaction. Poly A carrier has become the most commonly used nucleic acid precipitant.

Package

1g, 5g or bulk

Working concentration:

A concentration of 0.5 mg/ml is recommended.

Features

1. Significantly improve the yield of DNA or RNA precipitation.
2. The recovery of trace DNA and RNA (20pg) was 95-98%.
3. It does not affect the enzyme cutting, linking, transcription, PCR and other reactions.
4. It does not affect the interaction between electrophoresis and DNA protein.

Note

Poly carrier will increase the optical density value of RNA or DNA. Therefore, when measuring the optical density value, in order to eliminate the influence of poly carrier, a blank control sample should be made according to the same experimental process (use the same reagent and poly carrier, but do not contain RNA or DNA samples, and dissolve the final poly carrier precipitation in the same solution as the sample). The optical density values of sample and blank control were measured at 260 and 280 nm. The actual optical density of the sample can be obtained by subtracting the optical density of the blank control from the optical density of the sample. If the quantification does not need to be very accurate, it can also be estimated.