

Product Information

Polyguanylic acid-Agarose

Product Number **P1908**

Storage Temperature 2–8 °C

Synonym: Poly(G)–agarose

Product Description

This product is prepared from polyguanidylic acid (poly G, Product No. P4404) and polyacrylylhydrazido-agarose (Product No. P9282). The linkage is formed by periodate oxidation through the ribose moiety.

This product can be used for the affinity purification of RNase A.¹ It has also been used in purifying DNase I from animal urine by means of a two-step affinity chromatographic procedure involving both DNA–cellulose and poly(G)–agarose.²

This product is supplied as a suspension in 1.0 M NaCl containing 0.02% thimerosal.

Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

Preparation Instructions

Before use in any procedure requiring absorbance measurements in the 250-260 nm region, thoroughly wash the resin with appropriate buffer. Wash the resin until the absorbance is close to 0. The thimerosal, added as a preservative, has absorbance in the 250-260 nm region.

This product should not be vortexed.

Storage/Stability

Store the suspension at 2–8 °C. Do **not** freeze.

References

1. Levy, C.C., *et al.*, Effect of polyamines on a ribonuclease which hydrolyzes ribonucleic acid at uridylic acid residues. *J. Biol. Chem.*, **248(16)**, 5712-5719 (1973).
2. Yasuda, T., *et al.*, Rabbit DNase I: purification from urine, immunological and proteochemical characterization, nucleotide sequence, expression in tissues, relationships with other mammalian DNases I and phylogenetic analysis. *Biochem. J.*, **325(pt. 2)**, 465–473 (1997).

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