

## 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 polyacrylhydrazido-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.<sup>1</sup> 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.<sup>2</sup>

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).

CMH,RXR,NDH,MAM 02/06-1

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