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GLYCOPROTEIN ELUTING SOLUTION FOR MANNOSE/GLUCOSE BINDING LECTINS

SKU: ES-1100-100



DESCRIPTION

Vector Laboratories has developed Glycoprotein Elution Solutions in the neutral pH range that maximize the yield of eluted glycoproteins and preserve the activity of the agarose-bound lectins for repeated use. All components of these ready-to-use Glycoprotein Eluting Solutions can be subsequently removed by dialysis. These Glycoprotein Eluting Solutions offer researchers convenience and superior recovery over standard sugar solutions.

Features:

- Preserve the activity of the agarose-bound lectins for repeated use
- Elution in neutral pH range

For research use only. Not intended for therapeutic or diagnostic use in animals or humans.

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SPECIFICATIONS

Unit Size	100 ml
Storage Instructions	Room Temperature
Usage Summary	1)Wash lectin agarose column to remove unbound proteins with HEPES- or TRIS-Buffered saline (HBS, TBS), pH 7.5, until OD280nm reaches background level. 2)Apply Glycoprotein Eluting Solution and allow to flow through the column by gravity.Note: Do not apply pressure to speed elution because this may reduce the percent recovery of the bound glycoprotein.Complete elution may take up to 10 column volumes.* 3) Following elution, the agarose lectin column is ready for reuse after equilibrating with 2-4 column volumes of HBS or TBS, pH 7.5. *These results may not be typical for other glycoproteins, since oligosaccharide structures of glycoproteins vary significantly.The eluting solution has a high osmolarity.If downstream applications are adversely affected by salt, eluted glycoproteins may require dialysis or gel filtration.
Applications	Glycobiology, Affinity Chromatography

TECHNICAL INFORMATION

Glycoproteins are frequently isolated and purified from protein mixtures using columns of agarose-bound lectins. After applying a protein mixture, the agarose-lectin column is washed free of unwanted proteins and the glycoprotein bound to the lectin is eluted with a sugar that inhibits binding. Unfortunately, achieving complete elution with a simple sugar solution can be difficult.

DOCUMENTS

- Safety Data Sheet
- Download CoA
- Datasheet

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GALLERY IMAGES



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