Blue Beads

Cat. 6028-5/10/25

Affinity purification beads

ver. 1.1 03.07

Introduction

Adar's Blue Beads are primarily used for quick removal of albumins from protein-containing samples. The Cibacron Blue F3GA dye used in this product acts as a versatile binding agent binding to both charged and non-charged site in various molecules. Product was optimized for the removal of Bovine albumins while minimizing loss of other proteins present in sample.

Blue Beads Specifications

Matrix: Sepharose^{TM} CL-4B
Coupling method: TargetLock.
Cibacron Blue density: 0.8-1.1 mg/ml of gel
Mean bead size: 40 -165 µm
Bead structure: Highly cross-linked spherical agarose, 4%
Max back pressure: 0.3 MPa, 3 bar
Max. flow rates: 4 ml/min/cm^2
Recommended flow rate: 1-3 ml/min/cm^2
Storage: 4°C in PBS pH 7.4 added with NaN_3 0.1% (w/v) as a preservative.

Protocol: Albumin removal from PAGE samples using Blue Beads

A. Protocol

1. Mix beads by inverting the bottle several times.
2. Cut tip end by clean scissors. Fill tip with 10 ul of beads slurry.
3. Add beads slurry to microtubes, add the protein samples to the microtubes, shake lightly and incubate 5 minutes on the bench.
2. Remove beads-free samples to new set of clean microtubes and continue with gel samples preparation as usual.

Note: product is designed to be used with small quantities of protein containing samples processed for PAGE. Not to be used with undiluted sera.