

# DiagAg™ rProtein G Agarose, 4% Crosslinked, 50-150 µm, High Flow

Cat.No: DAG-GB23-14

## DESCRIPTION

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DiagAg™ rProtein G Agarose, 4% Crosslinked, 50-150 µm, High Flow are used to isolate and purify classes, subclasses and fragments of immunoglobulins from cell culture media and biological fluids. Rapid purification and high yield of purified immunoglobulin are obtainable by this method. rProtein G is covalently bound to highly cross-linked agarose particles, providing a very stable bond that can greatly minimize leakage of the Protein G and allowing for reuse of the affinity resin in several purification steps. Recombinant Protein G contains only IgG binding domains. The albumin-binding domain as well as cell wall and cell membrane binding domains of native Protein G have been removed to ensure the maximum specific IgG binding capacity. The particles are high throughput particles designed to meet the demand for industrial process separation. Their rigidity and mechanical resistance permits high flow rates with good resolution in a minimum time frame, making these particles ideal for process-scale use. They are autoclavable. These particles are an ideal support for the immobilization of ligands for affinity chromatography and base media support for producing IEX (Ion Exchange) and hydrophobic interaction chromatography resins. These particles are suitable for use with FPLC or HPLC, and can withstand pressures up to 300 kPa.

## PRODUCT INFORMATION

|                      |                                                                                  |
|----------------------|----------------------------------------------------------------------------------|
| <b>Diameter</b>      | 50-150 µm                                                                        |
| <b>Ligand</b>        | Recombinant Protein G                                                            |
| <b>Concentration</b> | 50% v/v                                                                          |
| <b>Targets</b>       | Classes, subclasses and fragments of immunoglobulins from cell culture media and |

|                         |                          |
|-------------------------|--------------------------|
|                         | biological fluids        |
| <b>Matrix</b>           | 4% agarose               |
| <b>Binding Capacity</b> | 20 mg human IgG/mL resin |
| <b>Appearance</b>       | Spherical                |

## STORAGE AND SHIPPING

|                       |                              |
|-----------------------|------------------------------|
| <b>Storage Buffer</b> | 20% ethanol                  |
| <b>Storage</b>        | Store at 4°C. Do not freeze. |