



## Protein G Sepharose® FF Resin Datasheet

Protein G Sepharose® FF Resin designed for simple, one-step and rapid antibody purification from serum, ascites and tissue culture supernatant such as those derived from static cultures and bioreactors. Recombinant protein G has been coupled to Sepharose® to obtain a stable matrix with a high binding capacity for immunoglobulins via the heavy chain of the FC region (up to 20 mg/ml Human IgG). Antibody samples purified using this affinity resin may be used in a wide range of laboratory procedures such as 1D or 2D polyacrylamide gel electrophoresis, Western blotting, ELISA etc. Binding affinity varies depending upon the source species and subclass. See our website for further details.

### Specification:

Specificity:	Protein G affinity antibodies
Matrix:	Sepharose®
Coupled ligand:	2 mg Protein G/ml resin
Binding capacity (human IgG):	20 mg/ml
Bead size:	45-165 µm
Flow rate:	0.25-1 ml/min (recommended)
Maximum pressure:	120-140 psi
Buffer compatibility:	Common aqueous buffers from pH 2-9
Binding buffer example:	0.1 M sodium phosphate, 0.15 M NaCl, pH 7.4
Elution Buffer example:	0.2 M glycine/HCl pH 2.5
Neutralization buffer example:	1 M tris/HCl pH 9.0
Shipping/delivery:	50% (v/v) resin suspension in 20% ethanol
Storage:	20% ethanol at 2-8°C for up to 2 years from manufacture

### Ordering Information:

Product	Volume	Order Code
Protein G Sepharose® FF Resin (1 ml)	1 ml	PC-G1
Protein G Sepharose® FF Resin (5 ml)	5 ml	PC-G5
Protein G Sepharose® FF Resin (25 ml)	25 ml	PC-G25

### Protein Ark Limited

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