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Data Sheet

Protein A Agarose Cartridge – 1mL

Cat. No.: 6-2021-001
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Description	Ready-to-use cartridge with Protein A Agarose resin for the purification of monoclonal- and polyclonal antibodies. These cartridges are primarily designed for the use with chromatography workstations using 10-32 connections (please note that you do not need adapters for HPLC and Äkta).
Column volume	1 mL
Target substance	Polyclonal and monoclonal antibodies (IgG), bound via the Fc-region
Form	Pre-packed in buffer, pH 7.4: PBS pH 7.4, 1 mM EDTA, 0.01 % sodium azide.
Matrix	Rigid, highly cross-linked agarose
Agarose Average particle size [1](Dv50)	45 µm
Ligand	Alkaline stable recombinant protein A expressed in *E. coli* using animal-free medium
Dynamic binding capacity [2](DBC10%)	**≥70 mg hu IgG/mL resin at residence time 6 min** ≥50 mg hu IgG/mL resin at residence time 2.4 min ≥25 mg hu IgG/mL resin at residence time 1 min
Recommended flow rate (20°C)	0.16 - 1 mL/min
Max flow rate	4 mL/min
Maximum back pressure	0.3 MPa, 3bar, 43 psi
Recommended pH working range	2 to 13 (normal working conditions)
Cleaning-In Place stability	No significant change in performance after 100 cycles with 0,5M NaOH (1cycle= 15 min contact time) use at room temperature
Chemical stability	Stable to commonly used aqueous buffers in Protein A chromatography
Storage	recommended: 2- 8°C
Shipping	room temperature
Hazards	Product is not classified as hazardous according to (EC) No 1272/2008 [CLP]. A Material Safety Data Sheet is provided.

[1]Median particle size of the cumulative volume distribution.

[2]Dynamic binding capacity was determined with 1 mg/ml monoclonal hu IgG1 using a 1 ml column at 1, 2.4 and 6 minutes residence time.

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