

Data Sheet

Protein A Agarose cartridge

Cat. No.: 6-2021-001, 6-2022-001

Version: 4.0
 Revision Date: 28.07.2021

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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. |
| Support | Rigid, highly cross-linked agarose |
| Bead size | 45 µm (Median particle size of the cumulative volume distribution.) |
| Ligand | Alkaline stable recombinant protein A expressed in <i>E. coli</i> using animal-free medium |
| Form | Pre-packed in buffer, pH 7.4 (PBS pH 7.4, 1 mM EDTA, 0.01% sodium azide) |
| Dynamic binding capacity (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 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. |
| Stability | 6 months after shipping |
| Storage | 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. |

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| Application | Purification of polyclonal or monoclonal IgG antibodies. The antibodies are bound via the Fc-region. | | | |
| | Cartridge volume | Recommended flow rate (20 °C) | Maximum flow rate | Maximum back pressure |
| | 1 ml (6-2021-001) | 0.16-1 ml/min | 4 ml/min | 0.3 MPa, 3 bar, 43 psi |
| | 5 ml (6-2022-001) | 0.83-5 ml/min | 15 ml/min | 0.3 MPa, 3 bar, 43 psi |

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