

SEPAROPORE®

bioaffinity matrix for protein purification

Affinity chromatography is an important tool to purify biological molecules such as enzymes, antibodies, and receptor proteins. The most widely used affinity matrix is based on Sepharose® (beaded form of cross-linked agarose). bioWORLD's Separopore® is equal to Sepharose® in all physical & chemical properties (see below) but is more economical. Separopore® affinity chromatography combines the size fractionation and binds the target molecules to a specific ligand, followed by liberating the purified molecule from the matrix using a specific competitor.

Affinity Chromatography and Separopore® Matrices

20181031	Separopore® 4B	4% Agarose
20181032	Separopore® 4B-CL	4% Agarose-CL
20181033	Separopore® 4B-MB	4% Agarose 4B-MB

20181043	Separopore® 6B	6% Agarose
20181063	Separopore® 6B-CL	6% Agarose-CL
20181035	Separopore® 6B-MB	6% Agarose MB

CL = Cross Linked; MB = Macrobeads

Bead Agarose %	2%		4%		6%	
	Standard	CL	Standard	CL	Standard	CL
Bead Size Range (µm)	50-175	50-175	50-175	50-175	50-175	50-175
Volume/ Catalog Number	100 ml 20181045-1	100 ml 20181053-1	100 ml 20181031-1	100 ml 20181032-2	100 ml 20181043-1	100 ml 20181036-2
	500 ml 20181045-2	500 ml 20181053-2	500 ml 20181031-2	500 ml 20181032-3	500 ml 20181043-2	500 ml 20181036-3
	1 L 20181045-3	1 L 20181053-3	1 L 20181031-3	1 L 20181032-4	1 L 20181043-3	1 L 20181036-4
Chemical Stability	Stable in very strong and basic solutions, and also in dissociating reagents.					
Antimicrobial Agent	20% Ethanol				Storage Temperature: 4° C	



Activated Separopore® Matrices

- CNBr - Separopore® (Agarose) 4B (20181003)
- CDI - Separopore® (Agarose) 4B (20181002)
- CDI - Separopore® (Agarose) 6B-CL (20181084)
- EAH - Separopore® (Agarose) 4B (20181007)
- Epoxy - Separopore® (Agarose) 4B-CL (20181009)
- NHS - Separopore® (Agarose) 4B-CL (20181025)
- Aldehyde Separopore® (Agarose) 4B, for Amino Coupling (20181058)
- NHS - Separopore® (Agarose) 4B-CL (Lyophilized) (20181136)
- Tosyl - Separopore® (Agarose) 4B-CL (20181039)
- Octyl - Separopore® (Agarose) 4B-CL (20181073)
- Phenyl - Separopore® (Agarose) 4B-CL (20181074)
- Butyl - Separopore® (Agarose) 4B-CL (20181102)
- SP - Separopore® (20181055)
- DEAE - Separopore® (Agarose) 6B-CL (20181004)
- Metal ion - Chelating Separopore® (Agarose) 4B-CL (Metal Free) (20181020)

Separopore® Matrices

- Separopore® (Agarose) 4B (20181031)
- Separopore® (Agarose) 4B-CL (20181032)
- Separopore® (Agarose) 6B-CL (20181036)
- Separopore® (Agarose) 6B (20181043)

For bulk sizes, visit:
www.bio-WORLD.com

Sugars & Nucleotides - Coupled

- Galactose Separopore® (Agarose) 4B-CL (20181011)
- Mannose Separopore® (Agarose) 4B-CL(20181019)
- Fucose Separopore® (Agarose) 4B-CL (20181010)
- Arabinose Separopore® (Agarose) 4B-CL (20181139)
- Fetuin Separopore® (Agarose) 4B (20181131)
- Heparin Separopore® (Agarose) 4B (20181013)
- Mucin Separopore® (Agarose) 4B (20181130)
- NADP Separopore® (Agarose) 4B-CL (Lyophilized) (20181023)
- NAD Separopore® (Agarose) 4B-CL (Lyophilized) (20181024)
- ADP Separopore® (Agarose) 4B-CL (Lyophilized) (20181057)
- GTP Separopore® (Agarose) 4B-CL (20181066)
- AMP Separopore® (Agarose) 4B-CL (Lyophilized) (20181079)
- ATP Separopore® (Agarose) 4B-CL (Lyophilized) (20181080)

Amino Acids - Coupled

- D-Alanine Separopore® (Agarose) 4B-CL (20181063)
- Glycine Separopore® (Agarose) 4B (20181065)
- L-Aspartic Acid Separopore® (Agarose) 4B-CL (20181067)
- L-Glutamic Acid Separopore® (Agarose) 4B-CL (20181068)
- L-Histidine Separopore® (Agarose) 4B-CL (20181069)
- L-Lysine Separopore® (Agarose) 4B-CL (20181070)
- L-Phenylalanine Separopore® (Agarose) 4B-CL (20181071)
- Poly-L- Lysine Separopore® (Agarose) 4B-CL (20181075)
- Arginine Separopore® 4B (20181125)

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Proteins - Coupled

- IgG Separopore® to isolate Protein A-Fusion Proteins (Kit) (20181014)
- KLH Separopore® (Agarose) 4B (20181016)
- Protein G - Separopore® (Agarose) 4B-CL (20181030)
- Thiophilic Separopore® (Agarose) 4B-CL (20181038)
- IgG (Mouse) Separopore® (Agarose) 4B (20181078)
- Goat Anti-Rabbit IgG (H+L) - Red Separopore® (Agarose) (20181081)
- Goat Anti-Mouse IgG (Fc)-Red Separopore® (Agarose) 4B (20181082)
- Goat Anti-human IgG Separopore® (20181134)
- Streptavidin Separopore® (Agarose) 4B (20181037)
- Calmodulin Separopore® (Agarose) 4B (20181001)
- Fetuin Separopore® 4B (Agarose) Prepacked Columns (20170034)

Lectins - Coupled

- Arachis hypogaea (Peanut) lectin (PNA) - Separopore® (20120000)
- Canavalia ensiformis lectin (Con A) - Separopore® (20120057)
- Dolichos biflorus (Horse gram) lectin (DBA) - Separopore® (21510968)
- Erythrina cristagalli (Coral tree) lectin (ECL, ECA) - Separopore® (20120006)
- Lens culinaris (Lentil) lectin (LCA, LCH) - Separopore® (20120003)
- Lycopersicon esculentum (Tomato) lectin (LEL, TL) - Separopore® (20120063)
- Phaseolus vulgaris (Kidney bean) lectin (PHA-E) - Separopore® (21510404)
- Sambucus nigra (Elderberry) lectin (SNA I) - Separopore® (20120066)
- Triticum vulgaris (Wheat) lectin (WGA) - Separopore® (20181018)
- Ulex europaeus (Gorse) lectin (UEA I) - Separopore® (20120004)

Active Dyes - Coupled

- Blue Separopore® (Agarose) 6B-CL (20181026)
- Reactive Red Separopore® 4B-CL (20181095)
- Reactive Blue-4 Separopore® (Agarose) 4B-CL (20181097)
- Yellow Separopore® (Agarose) 4B-CL (20181098)
- Green Separopore® (Agarose) 4B-CL (20181099)
- Brown Separopore® (Agarose) 4B-CL (20181100)

Custom ligation of specific compounds available!

Also available @ ThermoFisher, Spectrum Chemical, Thomas Scientific, and 25 international distributors!

**Compare Blue Separopore®
50mL (\$236.78) to
Blue Sepharose®
50mL (\$320)**



Glutathione - Separopore®

Glutathione covalently linked to a spacer arm attached to cross-linked Separopore® 4B & 6B beads used for GST-fused protein purification.

Glutathione Separopore® (Agarose) 4B-CL, 2 mL columns, 2 each (20170033) **ONLY \$59.70**

Glutathione Separopore® (Agarose) 4B-CL, 1L (20181050)

Protein A - Separopore®

Recombinant Protein A covalently linked to CNBr-activated Separopore® 4B & 6B beads.

Protein A - Separopore® Suspension Ready for IP, 2mL (100 reactions) (20181137-2) **ONLY \$39.50**

Protein A - Separopore® (100 mL gel) (20181029-5)

Protein G - Separopore®

Recombinant Protein G covalently linked to CNBr-activated Separopore® 4B & 6B beads.

Protein G - Separopore® Suspension Ready for IP, 2mL (100 reactions) (20181138-1) **ONLY \$57.60**

Protein G - Separopore® (Agarose) 4B-CL, 1mL (20181030-1), 100mL (20181030-4)

Blue Separopore® (1mL to 50L)

Cibachrome Blue attached to 4B and 6B CL Separopore® for removing albumins and aggregated IgG.

Blue Separopore® (Agarose) 6B-CL (20181026)

Blue Separopore® (Agarose) 6B-CL (Lyophilized) (20181083)

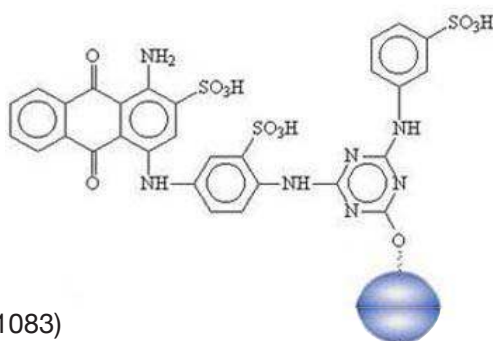
Blue Separopore® (Agarose) 4B-CL (20181096)

Metal - Chelated Separopore®

Used for His-tagged recombinant proteins and other metal affinity proteins' purification.

- Ni²⁺ - IDA Separopore® (20181046)
- Co²⁺ - IDA Separopore® (20181047)
- Zn²⁺ - IDA Separopore® (20181049)

From analytical to preparative scale protein purification!



Compare with Sepharose® and save!

Sepharose® is a registered trademark of GE Healthcare: Life Sciences