PRODUCT SHEET

Analytical Grade Ion Exchange Resins

Anion exchange resins

Main applications

- Preconcentration and separation of anions

Packing

Order N°.	Form	Particle size
A4-B500-C-CL	500g bottle 1X4 anion exchange resin, Cl^- form	50 – 100 mesh
A4-B500-M-CL	500g bottle 1X4 anion exchange resin, Cl^- form	100 – 200 mesh
A8-B500-C-CL	500g bottle 1X4 anion exchange resin, Cl^- form	50 – 100 mesh
A8-B500-M-CL	500g bottle 1X4 anion exchange resin, Cl^- form	100 – 200 mesh
A8-B500-F-CL	500g bottle 1X4 anion exchange resin, Cl^- form	200 – 400 mesh
A8-R10-M-CL	10 2 mL cartridges 1X8 anion exchange resin, Cl^- form	100 – 200 mesh
A81-R10-M-CL	10 1 mL cartridges 1X8 anion exchange resin, Cl^- form	100 – 200 mesh
A8-R10-F-CL	10 2 mL cartridges 1X8 anion exchange resin, Cl^- form	200 – 400 mesh
A8-25-R01-C-CL	25 mL cartridge 1X8 anion exchange resin, Cl^- form	50 – 100 mesh

Physical and chemical properties

Volume exchange capacity	1X4:	≥ 1.0 meq/mL
	1X8:	≥ 1.2 meq/mL
Water retention capacity (chloride form)	1X4:	55 – 63%
	1X8:	39 – 45%
Extractable residue	1X4:	≤ 1mg/g resin
	1X8:	≤ 1mg/g resin

Conditions of utilization

Recommended T of utilization : /

Storage : Dry and dark, T: 2 – 20° C

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SAS au capital de 100.000 euros – SIRET 493 848 972 00029 – APE 2059Z – TVA intra communautaire FR65 493 848 972 21/03/2023

PRODUCT SHEET

Analytical Grade Ion Exchange Resins

Cation exchange resins

Main applications

- Preconcentration and separation of cations

Packing

Order N°.	Form	Particle size
C4-B500-M-H	500g bottle 50WX4 cation exchange resin, H^+ form	100 – 200 mesh
C8-B500-C-H	500g bottle 50WX8 cation exchange resin, H^+ form	50 – 100 mesh
C8-B500-M-H	500g bottle 50WX8 cation exchange resin, H^+ form	100 – 200 mesh
PC8-B1000-M-H	1000g bottle 50WX8 cation exchange resin, H^+ form	100 – 200 mesh
C8-B500-F-H	500g bottle 50WX8 cation exchange resin, H^+ form	200 – 400 mesh
C8-R10-M-H	10 2 mL cartridges 50WX8 cation exchange resin, H^+ form	100 – 200 mesh

Physical and chemical properties

Wet exchange capacity	50X4: ≥ 1.1 meq/mL 50X8: ≥ 1.7 meq/mL
Water retention capacity (hydrogen form)	50X4: 64 – 72% 50X8: 50 – 58%
Extractable residue	50X4: ≤ 1mg/g resin 50X8: ≤ 1mg/g resin

Conditions of utilization

Recommended T of utilization : /

Storage : Dry and dark, T: 2 - 20°C

PRODUCT SHEET

Ion exchange resins are widely used in the field of analytical chemistry and their quality is key to reliable and reproducible results. Our analytical grade ion exchange resins are purified with successive rinsing of methanol, NaOH and HCl to remove residual organic molecules remaining from the manufacturing processes in order to provide you with a high quality product.

Part number	Description	Ionic form	Mesh (wet)	Bio-Rad Part number	Bio-Rad Product
Anion exchange resins					
A8-B500-C-CL	Analytical Grade Anion Exchange 1x8 Resin	Chloride	50-100	140-1431	AG® 1-X8
A8-B500-M-CL		Chloride	100-200	140-1441	AG® 1-X8
A8-B500-F-CL		Chloride	200-400	140-1451	AG® 1-X8
A4-B500-C-CL	Analytical Grade Anion Exchange 1x4 Resin	Chloride	50-100	140-1331	AG® 1-X4
A4-B500-M-CL		Chloride	100-200	140-1341	AG® 1-X4
Cation exchange resins					
C8-B500-C-H	Analytical Grade Cation Exchange 50Wx8 Resin	Hydrogen	50-100	142-1431	AG® 50W-X8
C8-B500-M-H		Hydrogen	100-200	142-1441	AG® 50X-X8
C4-B500-M-H	Analytical Grade Cation Exchange 50Wx4 Resin	Hydrogen	100-200	142-1341	AG® 50W-X4

Please note that this resin cross-reference should be used strictly as a product guide and should not be construed as a list of equivalents. AG is a registered trademark of Bio-Rad Laboratories, Inc.