

**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, chloride form	50 – 100 mesh
A4-B500-M-CL	500g bottle 1X4 anion exchange resin, chloride form	100 – 200 mesh
A4-CS09-C-CL	Box of 9 500g bottles 1X4 anion exchange resin, chloride form	50 – 100 mesh
A4-CS09-M-CL	Box of 9 500g bottles 1X4 anion exchange resin, chloride form	100 – 200 mesh
A8-B500-C-CL	500g bottle 1X8 anion exchange resin, chloride form	50 – 100 mesh
A8-B500-M-CL	500g bottle 1X8 anion exchange resin, chloride form	100 – 200 mesh
A8-B500-F-CL	500g bottle 1X8 anion exchange resin, chloride form	200 – 400 mesh
A8-CS09-C-CL	Box of 9 500g bottles 1X8 anion exchange resin, chloride form	50 – 100 mesh
A8-CS09-M-CL	Box of 9 500g bottles 1X8 anion exchange resin, chloride form	100 – 200 mesh
A8-CS09-F-CL	Box of 9 500g bottles 1X8 anion exchange resin, chloride form	200 – 400 mesh

**Physical and chemical properties**

Wet exchange capacity	1X4: $\geq 1,0$ meq/mL
	1X8: $\geq 1,2$ meq/mL
Water retention capacity (chloride form)	1X4: 55 – 63%
	1X8: 39 – 45%
Extractable residue	1X4: $\leq 1$ mg/g resin
	1X8: $\leq 1$ mg/g resin

**Conditions of utilization**

Recommended T of utilization : /

Storage : Dry and dark, T<30°C

## 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 50X4 cation exchange resin, hydrogen form	100 – 200 mesh
C4-CS09-M-H	Box of 9 500g bottles 50X4 cation exchange resin, hydrogen form	100 – 200 mesh
C8-B500-C-H	500g bottle 50X8 cation exchange resin, hydrogen form	50 – 100 mesh
C8-B500-M-H	500g bottle 50X8 cation exchange resin, hydrogen form	100 – 200 mesh
C8-B500-F-H	500g bottle 50X8 cation exchange resin, hydrogen form	200 – 400 mesh
C8-CS09-C-H	Box of 9 500g bottles 50X8 cation exchange resin, hydrogen form	50 – 100 mesh
C8-CS09-M-H	Box of 9 500g bottles 50X8 cation exchange resin, hydrogen form	100 – 200 mesh

#### Physical and chemical properties

Wet exchange capacity	50X4: $\geq 1,1$ meq/mL
	50X8: $\geq 1,7$ meq/mL
Water retention capacity (hydrogen form)	50X4: 64 – 72%
	50X8: 50 – 58%
Extractable residue	50X4: $\leq 1$ mg/g resin
	50X8: $\leq 1$ mg/g resin

#### Conditions of utilization

Recommended T of utilization : /

Storage : Dry and dark, T<30°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
<b>Anion exchange resins</b>					
A8-B500-C-CL	Analytical Grade Anion Exchange 1x8 Resin	Chloride	50-100	140-1431	AG <sup>®</sup> 1-X8
A8-B500-M-CL		Chloride	100-200	140-1441	AG <sup>®</sup> 1-X8
A8-B500-F-CL		Chloride	200-400	140-1451	AG <sup>®</sup> 1-X8
A4-B500-C-CL	Analytical Grade Anion Exchange 1x4 Resin	Chloride	50-100	140-1331	AG <sup>®</sup> 1-X4
A4-B500-M-CL		Chloride	100-200	140-1341	AG <sup>®</sup> 1-X4
<b>Cation exchange resins</b>					
C8-B500-C-H	Analytical Grade Cation Exchange 1x8 Resin	Hydrogen	50-100	142-1431	AG <sup>®</sup> 50W-X8
C8-B500-M-H		Hydrogen	100-200	142-1441	AG <sup>®</sup> 50X-X8
C4-B500-M-H	Analytical Grade Cation Exchange 1x4 Resin	Hydrogen	100-200	142-1341	AG <sup>®</sup> 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.