

S Cellulose resin

Cat. No. Methylsulphonate-003C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	S strong ion exchangers are highly cross-linked, surface modified media with high dynamic binding capacities and stable at high flow velocities. These high performances of the optimized media offer significant opportunity for increasing downstream purification throughput.
Cat.no	Methylsulphonate-003C
Matrix	Highly cross-linked cellulose with dextran scaffold
Ion exchange capacity	0.13-0.25 meq /ml
Functional group	Methylsulphonate: -CH ₂ SO ₃ -
Protein	Methylsulphonate
Average particle size	40 – 130 um
Dynamic binding capacity	>130mg IgG/ml gel
Recommended flow rate	1,000 cm/h in a 2.2cm diameter column with 20cm bed height at<>Over 500cm/h 30cm diameter column with 20cm bed height at<>
Viscosity	Store unopened container at ambient temperature. Do not freeze.Short-term storage for bulk and column (2 weeks or less) can be at a room temperature with pH 2 to pH

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

14. It is possible to store under alkaline condition at less than 20°C as recommendation. 0.1M NaOH ; 2-4 months 0.5M NaOH ; less than 1 month Longer storage should be in neutral buffer containing 20 % ethanol, at 2 – 8 °C. Do not freeze.

Chemical stability	Stable in: Most salts (NaCl, (NH ₄) ₂ SO ₄ , etc.), Alcohol (30 % (v/v) IPA, 70 % (v/v) EtOH), Urea (6M) and Guanidine-HCl (6M); pH 2 to pH14 (MAX S-r) , pH3 to pH14 (MAX S-h) at 40°C, 1 week 0.1M NaOH at less than 20°C, 3 months (MAX S-r & S-h)
Physical stability	Stable in: Most salts (NaCl, (NH ₄) ₂ SO ₄ , etc.), Alcohol (30 % (v/v) IPA, 70 % (v/v) EtOH), Urea (6M) and Guanidine-HCl (6M); pH 2 to pH14 (MAX S-r) , pH3 to pH14 (MAX S-h) at 40°C, 1 week 0.1M NaOH at less than 20°C, 3 months (MAX S-r & S-h)
pH working range	2 – 13
pH CIP range	3 - 14
Elution buffer	0.1 – 2.0 M sodium chloride in adsorption buffer