

SP Agarose fast flow

Cat. No. sulphopropyl-002A **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SP agarose Fast Flow is a strong cation exchanger based on the well established agarose Fast Flow ion exchange platform, extensively used for preparative protein separations in both research and industrial applications.
Cat.no	sulphopropyl-002A
Matrix	Cross-linked agarose, 6%
Ion exchange capacity	0.15 to 0.20 mmol (H+)/mL medium
Functional group	sulphopropyl group: $-O-CH_2CHOHCH_2OCH_2CH_2CH_2SO_3^-$
Protein	sulphopropyl
Average particle size	45–165 μ m
Dynamic binding capacity	0.18-0.25 mmol/ml media
Recommended flow rate	400-700 cm/h
Viscosity	Unused media can be stored in the container at +4 to +30°C. Ensure that the screw-top is fully tightened. Packed columns should be equilibrated in working buffer containing 20% ethanol to prevent microbial growth.

 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

Recommended column height	5-20cm
Chemical stability	All commonly used aqueous buffers1 M NaOH8 M urea6 M guanidine hydrochloride70% ethanol
pH working range	4-13
pH CIP range	3-14
Temperature Stability	4-40 °C
Warning	Oxidizing agentsLong exposures (1 week, 20°C) to pH<>

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