

ION EXCHANGE AGAROSE BEADS

DEAE Fast Flow Agarose Bead

Product	DEAE Fast Flow Agarose Bead	
CAT. No.	C2Y0V0, 25ml	C2Y0V1, 300ml
Bead Geometry & Size	Spherical, Standard: ~50 - 150 μ m	
Crosslinked	Highly crosslinked	
Bead Mean Diameter (d_{50v})	~90 μ m	
Ligand	Diethylaminoethyl	
Ion Exchange Type	Weak Anion Exchanger	
Flow velocity at 3 bar in 1.6 x 15 cm column	≥ 900 cm/h	
Exclusion Limit (Mr) Globular Proteins Da	$\sim 4 \times 10^6$	
Ionic Capacity	0.10 - 0.15 mmol Cl ⁻ /ml resin	
Static Binding Capacity	>60 mg BSA/ml packed resin	
Dynamic Binding Capacity 10% breakthrough	>50 mg BSA/ml packed resin	
pH stability	Short term: 2-14. Long term: 2-12.	
Chemical Stability	Most commonly used aqueous and organic solutions including: 1 M NaOH, 8 M urea, 30% isopropanol & 70% ethanol ⁽¹⁾	
Working Temperature	4 - 30°C	
Antimicrobial Agent	20% ethanol	
Storage Temperature	4 - 30°C	

⁽¹⁾ Avoid oxidizing agents and anionic detergents.