Seraloses™

Media for Gel Filtration and Affinity Chromatography

Gel Filtration (Molecular Sieving or Size Exclusion Chromatography) and Affinity Chromatography are rapidly becoming indispensable to biochemists and molecular biologists. Gel Filtration is used for the separation of macromolecules from smaller molecules, for fractionation of mixtures of various biopolymers on the basis of molecular size, for characterizing macromolecules and determining molecular weights and molar masses, for pathological screening of body fluids and for structure determination studies. Affinity Chromatography, besides being put to many of the above uses, is mainly employed for the isolation and purification of biologically active substances like enzymes, antibodies, antigens, lectins, viruses and toxins. Affinity Chromatography has the advantage of being rapid and highly selective.

SRL Seraloses™	Particle size in wet state (microns)	Fractionation Range (as molecular weight)		Approximate Exclusion Limits (as molecular wight)		
		Proteins	Polysaccarides	Proteins	Polysaccarides	DNA (basis pairs-bp)
seralose™ 2B seralose™ Cl-2B	60-250	7.5×10^4 – 45×10^6	1×10^5 – 20×106	45×10^6	20×10^6	1353 bp
seralose™ 4B seralose™ Cl-4B	40-190	5×10^4 – 20×10^6	3×10^4 – 5×10^6	20×10^6	5×10^6	872 bp
seralose™ 6B seralose™ Cl-6B	40-190	1×10^4 – 5×10^6	1×10^4 – 1×10^4 –	5×10^6	10×10^6	194 bp

Detailed literature available on request

SeraBeads™

Magnetic Beads for Separations & Purifications

Our large range of SeraBead™ products include standard magnesium silicate magnetic bead products, having sizes of 600 nm, 1 μm and 1.2 μm. Typically used in applications of Genomics, Proteonomics, Sample Preparations & Isolations, IVD studies, etc., these products are available in a wide variety of formats and specifications.

The SeraBeads™ product range at a glance:

- MgS S600 & 1.0
- MgS Carboxyl 600 & 1.0
- MgS NH2 600 & 1.0
- MgS Streptavidin 600 & 1.0
- MgS Protein A & G 600 & 1.0
- Proteonomics C4, C8 & C18
- MgS WCX & WAX
- MgS DNA & DNA All-round
- MgS DNA COOH & DNA COOH All-round
- Magnetic Separators M12+12 & M96

Browse the BioLit™ section of the catalogue for detailed information or write to us.