

Purification & Clarification Products

FIALab offers several products for Purification and Clarification purposes to use with our instruments.



Affinity Purification

ProA Column

The ProA Column is used for in-line purification of Protein A at the start of antibody analysis.



Affinity Purification

Product	Agarose bead size (wet)	Bed volume	Internal volume	Dynamic Binding Capacity	Sample maximum
Poros MabCapture	45µm	125µL	~30µL	37mg/mL	1000ug
KanCap	50µm	125µL	~30µL	30mg/mL	1000ug
MabSelect SuRe LX	85µm	125µL	~30µL	~60mg/mL	1000ug
MabSelect SuRe	~85µm	125µL	~30µL	~60mg/mL	1000ug

250CC

The 250CC is a cell clarification cartridge that can separate as little as 0.250mL of cell-containing bioreactor media from biotherapeutics prior to LCMS peptide maps or glycan profiles.



Dialysis Microfiltration

Dialysis and Ultrafiltration

Product	Kilodalton MWCO	Permeate Internal Volume	Retentate Internal Volume	Sample minimum	Sample maximum
250CC	3-750kD	~1.5mL	~0.3mL	25 µL	1000 µL

Microfiltration

Product	Filtration porosity (µm)	Permeate Internal Volume	Retentate Internal Volume	Sample minimum	Sample maximum
250CC	0.05, 0.01, 0.2, 0.65	~1.5mL	~0.3mL	25 µL	1000 µL



Size Exclusion Gel Filtration (SEC) + IEX

SEC/IEX Column

This Bio-Rex Resin Column is used for size exclusion gel filtration (SEC) as well as Ion Exchange (IEX/IEC)



Size Exclusion / Ion Exchange

Product	Agarose bead size (wet)	Bed volume	Internal volume	Exclusion limit (Mr)	Sample volume maximum
Sephadex G25	33-140µm	125-1250µL	~30-300µL	> 8 x 10 ⁴	1000ug
Sephadex G100	49-134µm	125-1250µL	~30-300µL	> 1 x 10 ⁵	1000ug
Sepharose 4%	45-165µm	125-1250µL	~30-300µL	> 2 x 10 ⁷	1000ug
Sepharose 6%	~90 µm	125-1250µL	~30-300µL	~4 x 10 ⁶	1000ug

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