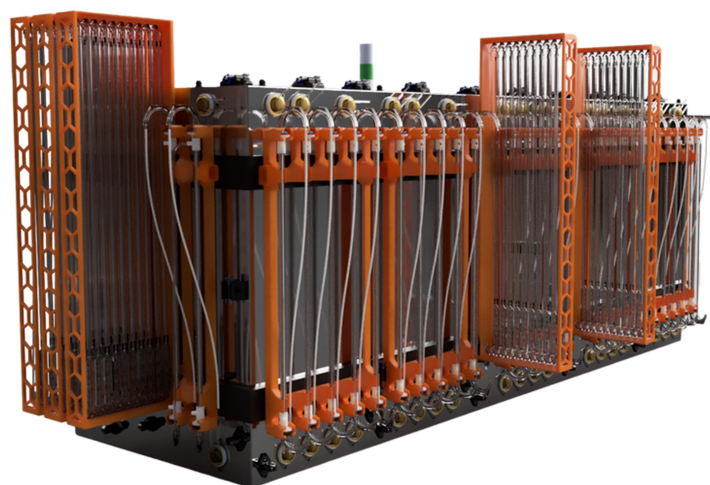




The Kascade™ BioRMB™ (Biologic Real Moving Bed) system which overcomes the limitations of batch processing packed columns without the drawbacks of multicolumn systems. The Kascade™ BioRMB™ platform is true (not simulated!) moving-bed technology that produces a *steady-state continuous elution profile, without peaks and troughs*, eliminating the use of columns. BioRMB™ is ideal for processing AAV, Lenti, proteins, enzymes, and oligos, as well as many other sensitive molecules. The Kascade™ system performs all of the chromatographic process steps: binding, washing, elution, stripping, and equilibration, but they occur simultaneously on a moving resin slurry rather than the serial approach of processing a packed column.



The Kascade™ is purpose-built for the laboratory environment, ideal for lab-scale Process Development as well as for pilot scale manufacturing. The low flowrate capabilities of the Kascade™ allow Process Development and optimization to be completed affordably, while the recipe-focused operation automates the purification process. Purification runs are completed using our fully disposable single-use flowpaths, designed to optimize the set-up procedure and maximize runtime, all while eliminating the burden of sterilization.

Find our contact information at the bottom of this sheet. We'd love to hear from you and answer any questions you may have about our technology!

Dimensional Specifications	Length	175.7 cm (69.2 in.)
	Width	59.0 cm (23.2 in.)
	Height	85.3 cm (33.6 in.)
	Weight	150 kg (330 lb.) *estimated
	Placement	Fits on standard 6' lab bench
Purification Specifications	Minimum Flowrate	2 mL/min
	Maximum Flowrate	25 mL/min
	Cycle Time	15 – 40 minutes
	Runtime	4+ days
	Resin Cycle Limit	100+ cycles
	Resin Required	10 – 40 g
	Operating Pressure	0 – 15 psi (30 max.)
	Batch Size	0.1 – 30+ Liters
	Product Monitoring	pH, Conductivity, 280nm UV
	Filtration Compatibility	Hollow fiber membranes, ChromaTan Dean's Vortex Separators
Sanitization	Single-use flowpath, CIP sanitization compatibility	
Integration Capabilities	Controls platforms	TwinCAT, DeltaV Discovery
	System Training	On-site and remote training options available
	CCTC Process Training	On-site, remote, and modelling tools available

