

	qEVsingle Gen 2	qEVoriginal Gen 2			qEV1 Gen 2			qEV2 Gen 2			qEV10 Gen 2			qEV100 Gen 2		
Optimal sample loading volume	0.15 mL	0.5 mL			1 mL			2 mL			10 mL			100 mL		
Column volume	3.0 mL	8.5 mL			13.5 mL			45 mL			69.3 mL			600 mL		
Resin series (nm)	20, 35, 70	20	35	70	20	35	70	20	35	70	20	35	70	20	35	70
Buffer volume (mL)	0.7 mL	2.0	2.5	2.5	3.8	4.0	4.0	14.6	15.9	15.2	22.4	23.2	22.9	210	210	190
Flush volume	6.0 mL	17 mL			27 mL			90 mL			140 mL			1200 mL		
Optimal fraction size	0.2 mL	0.5 mL			0.7 mL			2 mL			5 mL			25 mL		
Cleaning protocol	2-step	2-step			2-step			3-step			3-step			3-step		
Volume of 0.5 M NaOH for cleaning	3 mL	8.5 mL			13.5 mL			4 mL			20 mL			200 mL		
External length	140 mm	97 mm			97 mm			185 mm			185 mm			260 mm		
External width	10 mm	17 mm			17 mm			30 mm			40 mm			80 mm		
Reusability	Yes, up to five times. Clean and refrigerate after use.															
Buffer reservoir required	No	Yes														
Operational temperature	18-24 °C															
Separation size	20 nm, 35 nm or 70 nm nominal															
Buffer type	All qEV columns come equilibrated in PBS buffer containing 0.05% w/v sodium azide or 0.05% ProClin 200.															
Largest size passable	1 µm															
Top and bottom filter size	20 µm															
pH stability working range	3-13															
pH stability cleaning in place	2-14															
Shelf-life if stored correctly	18 months															