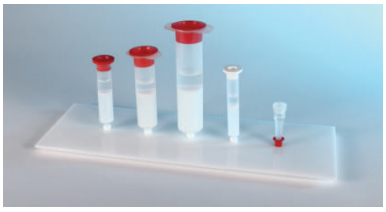
PROTEIN PURIFICATION

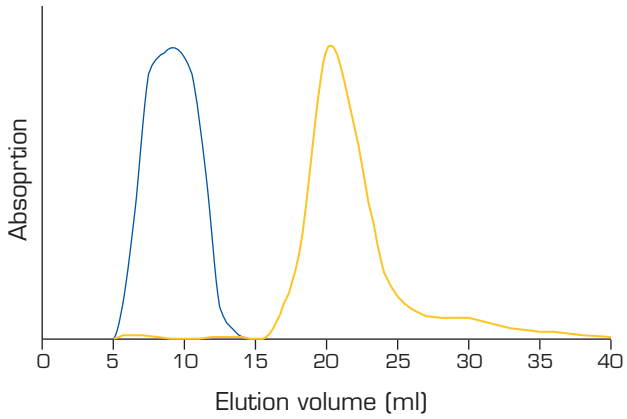
Clarion™ P

Hydrated Gel Filtration Columns

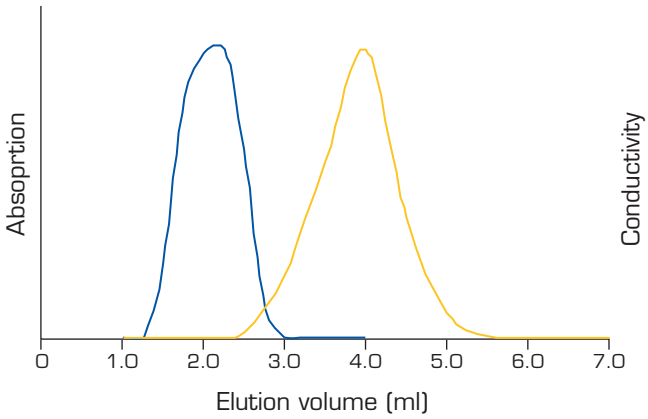
For rapid protein purification, desalting, and buffer exchange



High Performance Results



Removal of fluorescent dye
Oval bumin (280 nm): dark blue line
FAM (490 nm): gold line
Elution profile overlay of albumin (5 mg OvA) and free dye (2.5 µmol FAM) in DMSO/$NaHCO^3$, elution with water (5.0 ml sample volume).



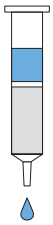
Desalting of protein solution (1 mg anti-rabbit IgG in 1 ml 0.8 M NaCl), elution with water (dark blue line: protein-280 nm; gold line: salt- µS/cm.)

Easy 4 Step Protocol

1. Column Preparation

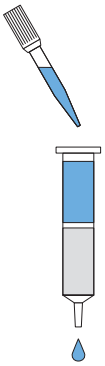
Remove the cap from the top and then the white bottom cap of the Clarion™ P Column.

Allow excess column fluid to drain (via gravity) into a suitable waste reservoir.



2. Column Equilibration

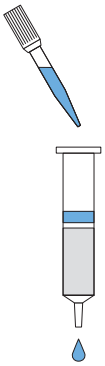
Equilibrate the column by loading it with 5x the bed volume of water or buffer (use the same buffer for equilibration and elution). Allow the equilibration buffer to drain completely.



3. Sample Application

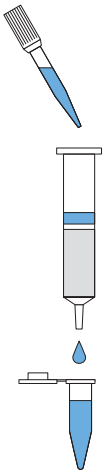
Transfer the sample to the Clarion™ P Column.

Allow the sample to enter the gel completely.



4. Elution

Place a tube for sample collection under the Clarion™ P Column. Transfer the elution buffer to the column and elute the purified sample.



Clarion™ P

Hydrated Gel Filtration Columns

For rapid protein purification, desalting, and buffer exchange

Clarion™ P Gel Filtration Columns are specifically designed for rapid and efficient removal of small molecules from antibodies, enzymes and other proteins.

Ultrapure gel and specially treated sinter frits ensure outstanding resolution and high selectivity.

The gel matrix of Clarion™ is Sorbadex™-25 , a beaded composite material comprised of ultrapure cross-linked dextran. It exhibits high selectivity, high resolution and chemical stability.

Molecules purified with Sorbadex™-25 are separated according to size. Smaller molecules pass significantly slower through the column than larger molecules.

Buffer and pH effects on resolution are minimal. The molecular weight cut-off (MWCO) for Sorbadex™-25 is 5 kD for proteins. Proteins larger than 5 kD are typically purified with a 1.5-fold elution volume.

Catalog No.	Name	Sample Volume	Pack Size
803019	Clarion™ P2	150 – 300 µl	50 Columns
803020	Clarion™ P5	0.5 ml	50 Columns
803021	Clarion™ P10	1.0 ml	50 Columns
803022	Clarion™ P25	2.5 ml	25 Columns
803023	Clarion™ P50	5.0 ml	10 Columns
803026	Clarion™ P100	10.0 ml	10 Columns
803027	Clarion™ P500	50.0 ml	1 Columns