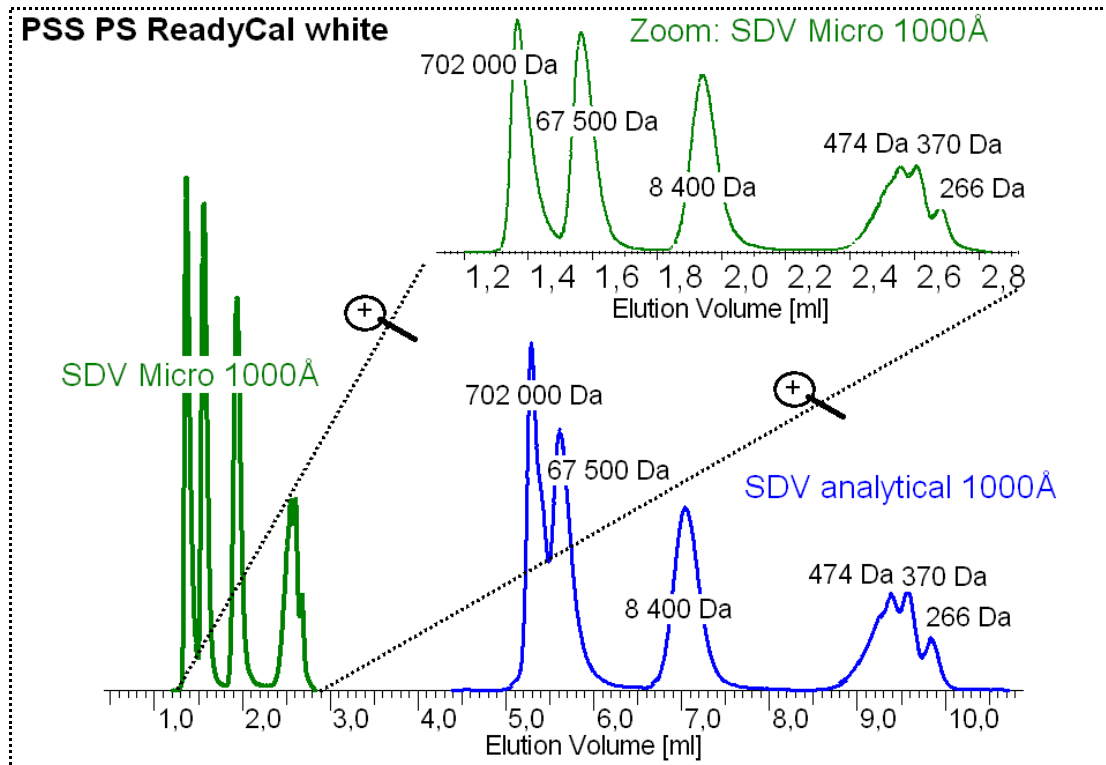


# Semi-Micro GPC/SEC Columns

Save 60% Eluent



## SDV Columns

GPC/SEC of Polymers in Unpolar and Medium Polar Organic Solvents

Field of Application	
Applicability	Poly(styrene), Poly(vinyl chloride), Poly(carbonate), Elastomers, Resins and others
Eluents	THF, Toluene, TCM, DCM
Specifications	
Material	Styrene-divinylbenzene copolymer network
Maximum Pressure	45 - 150 bar (650 - 2180 psi), depending on porosity
Maximum Temperature	100° C
Particle Size	3 µm
Incompatibility	Water, drying, and freezing
Recommended column combination	
Low Molecular Weight (MW)	100 Å + 1 000 Å + 10 000 Å
Medium Molecular Weight (MW)	1 000 Å + 100 000 Å + 1 000 000 Å

Porosity	Molar Mass Range [Da]	Partnumber
precolumn		sdm050303
50 Å	100 - 5 000	sdm0525035E1
100 Å	100 - 10 000	sdm0525031E2
500 Å	100 - 30 000	sdm0525035E2
1 000 Å	100 - 60 000	sdm0525031E3
10 000 Å	500 - 700 000	sdm0525031E4
100 000 Å	1 000 - 1 000 000	sdm0525031E5
1 000 000 Å	1 000 - 3 000 000	sdm0525031E6
linear S	100 - 150 000	sdm052503lis
linear M	100 - 1 000 000	sdm052503lim

## PFG Columns

Christalline Polymers/Fluorinated Organic Solvents

Field of Application	
Applicability	Crystalline polymers, Poly-esters, Nylons, Poly(lactide), POM, etc.
Eluents	HFIP, TFE, other fluorinated

Specifications	
Material	Modified silica
Maximum Pressure	150 - 200 bar (2180-2900 psi), depending on porosity
Maximum Temp.	90° C
Particle Size	5 µm
Incompatibility	Freezing
Recommended column combination	
Low MW	100 Å + 100 Å
Medium MW	1 000 Å + 1 000 Å

Recommended column combination	
Low MW	100 Å + 100 Å
Medium MW	30 Å + 1 000 Å + 1 000 Å

Porosity	Molar Mass Range [Da]	Partnumber
precolumn		sum050305
30 Å	100 - 30 000	sum0525053E1
100 Å	100 - 100 000	sum0525051E2
300 Å	100 - 300 000	sum0525053E2
1 000 Å	100 - 1 000 000	sum0525051E3
linear S	100 - 100 000	sum052505lis
linear M	1000 - 1 000 000	sum052505lim

Porosity	Molar Mass Range [Da]	Partnumber
precolumn		pfm050305
100 Å	100 - 100 000	pfm0525051E2
300 Å	1 000 - 300 000	pfm0525053E2
1 000 Å	10 000 - 1 000 000	pfm0525051E3
linear S	100 - 300 000	pfm052505lis
linear M	100 - 1 000 000	pfm052505lim

## PROTEEMA Columns

### Aqueous GPC/SEC, Proteins

Field of Application	
Applicability	Neutral and synthetic proteins, Peptides, Enzymes, Collagens
Eluents	Water, water with salt/buffer pH < 7

Specifications	
Material	Special modified silica
Maximum Pressure	150 - 200 bar (2180 - 2900 psi), depending on porosity
Maximum Temp.	70° C
Particle Size	3 µm
Incompatibility	Drying and freezing

Porosity	Molar Mass Range [Da]*	Partnumber
precolumn		prm050303
100 Å	100 - 150 000	prm0525031E2
300 Å	1 000 - 1 200 000	prm0525033E2

\* based on protein molecular weight, for other water soluble macromolecules (e.g. pullulane) separation range ends at 50 000 and 400 000 Da.

## SUPREMA Columns

### Aqueous GPC/SEC, Neutral/Anionic Polymers

Field of Application	
Applicability	Neutral and anionic polymers, (PEO, PEG, Pullulan, Dextran, Hyaluronic acid, etc.).
Eluents	water (with salts/buffers, MeOH, ACN) pH: 1.5 – 13
Specifications	
Material	Polyhydroxy methacrylate copolymer network
Maximum Pressure	50 - 80 bar (725 -1160 psi), depending on porosity
Maximum Temp.	80° C
Particle Size	5 µm
Incompatibility	Drying and freezing

Order informationen	
column dimensions	4.6 mm I.D. x 250 mm length (30 mm precolumn), other dimensions on request
GRAM, POLEFIN, NOVEMA, MCX columns	on request, other porosities on request

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