

Size exclusion chromatography resins



NW Rose 4FF and NW Rose 6FF SEC resins >>>

NW Rose 4FF and NW Rose 6FF are size exclusion chromatography resins designed for industrial processing with high flow rates and moderate pressures. The cross-linked agarose matrix (4% for NW Rose 4FF, 6% for NW Rose 6FF) provides physical stability and chromatographic qualities, catering to the high throughput demands of industrial processes. The rigidity allows for high flow rates, resulting in efficient separations in minimal time. These resins are easy to work with, tolerate various working conditions, and are suitable for use in biopharmaceutical production processes. NW Rose 4FF has a fractionation range of 4×10^4 D- 3×10^7 D, for globular proteins, while NW Rose 6FF has a fractionation range of 1×10^4 D- 4×10^6 D. As bio-process resins, both variants meet industrial demands, ensuring a secure supply and providing comprehensive technical and regulatory support.

Characteristics of NW Rose 4FF and NW Rose 6FF SEC resins

Product name	NW Rose 4FF	NW Rose 6FF
Matrix	Highly crosslinked agarose bead	
Particle size (μm)	45-165	
Fractionation range (Mp) Dextrans	3×10^4 - 6×10^6 D	1×10^4 - 2×10^6 D
Fractionation range (Mr) globular proteins	6×10^4 - 3×10^7 D	1×10^4 - 4×10^6 D
Operating pressure (MPa)	0.3	
pH stability	2-12	
Storage	20% ethanol, 4-30 °C	

Ordering information

Product name	Cat. No.	Package size
NW Rose 4FF	60012-014900	200mL, 1L, 10L
NW Rose 6FF	60012-015900	

NW Super series SEC resins >>>

The NW Super 75, NW Super 100, NW Super 150, and NW Super 200 SEC resins offer very high-resolution fractionation for separation, polishing of biomolecules. These resins constitute a series of agarose-based resins that are highly cross-linked with dextran. Possessing hydrophilic and porous characteristics, these resins are widely employed for the high-resolution separation and purification of various biological samples, including proteins, polysaccharides, and nucleic acids.

Here is a refined version of the provided information:

- NW Super 75 is specifically formulated for the separation and purification of proteins within the molecular weight range of 3KD to 70 KD
- NW Super 100 is tailored for the separation of biomolecules with molecular weights ranging from 5KD to 100 KD
- NW Super 150 is designed to effectively separate biomolecules within the 5KD to 250 KD range
- NW Super 200 is optimized for the separation of biomolecules within the molecular weight range of 10KD to 600 KD

Characteristics of NW Super series SEC resins

Product name	NW Super 75	NW Super 100	NW Super 150	NW Super 200
Matrix	Crosslinked agarose and dextran bead			
Particle size (μm)	24-44			
Fractionation range (Mr) globular proteins	3~70 KD	5~100 KD	5~250 KD	10~600 KD
Operating pressure (MPa)	0.3			
pH stability	3-12 (Operational), 1-14 (CIP)			
Storage	20% ethanol, 4-30 °C			

Ordering information

Product name	Cat. No.	Package size
NW Super 75	60013-025000	150mL, 500mL, 1L, 5L, 10L
NW Super 100	60013-030000	
NW Super 150	60013-030100	
NW Super 200	60013-031000	

NW Dex series SEC resins >>>

The NW Dex G-25 C, NW Dex G-25 M, NW Dex G-25 F and NW Dex G-25 SF SEC resins are designed for the purification of biomolecules. Based on hydrophilic and porous polysaccharide microspheres derived from crosslinked dextran, they are widely employed for buffer exchange, desalination, and the removal of small molecules from biological samples. These resins can be used for the purification of polysaccharides and oligonucleotides, antibiotics, and herbal products and can be used for the purification of nanomaterials in chemical industry and wastewater treatment in the field of environmental protection. NW dex G-25 is available in 4 different particle sizes, coarse (NW Dex G-25 C), medium (NW Dex G-25 M), fine (NW Dex G-25 F) and superfine (NW Dex G-25 SF).

Characteristics of NW Dex series SEC resins

Product name	NW Dex G-25 C	NW Dex G-25 M	NW Dex G-25 F	NW Dex G-25 SF
Matrix	Crosslinked agarose and dextran bead			
Particle size (µm)	~320	~140	~80	~50
Fractionation range (Mr) globular proteins	1,000~5,000 D			
Maximum flow rate (cm/h)	1400	640	360	80
Operating pressure (MPa)	0.5			
pH stability	2-13			
Storage	20% ethanol, 4-30 °C			

Ordering information

Product name	Cat. No.	Package size
NW Dex G-25 C	60011-003401	100mL, 500mL, 1L, 10L
NW Dex G-25 M	60011-003301	
NW Dex G-25 F	60011-003201	
NW Dex G-25 SF	60011-003101	