



SIZE EXCLUSION CHROMATOGRAPHY
SEPADEXTRANS™

TECHNICAL SPECIFICATIONS
SEPADEXTRAN™ 50
Medium, Fine & Superfine

PRODUCT	SEPADEXTRAN™-50		
	MEDIUM	FINE	SUPERFINE
CAT. No.	SD50M-X	SD50F-X	SD50SF-X
MATRIX	Crosslinked dextran		
WATER REGAIN	4.80 – 5.20 ml/g		
SWELLING	9 – 11 ml/g		
DRY PARTICLE SIZE	50-150 µm (>80%)	20-80 µm (>80%)	20-50 µm (>80%)
WET PARTICLE SIZE	100-300 µm	40-160 µm	40-100 µm
MAXIMUM OPERATING PRESSURE	Generally obeys Darcy's Law: $U=Ko \ P/L$ Where: U=linear flow rate (cm/h). P= pressure drop over gel bed (cm H ₂ O). L= bed high (cm) Ko=145 Ko=36 Ko=13,5		
CHEMICAL STABILITY	All commonly used buffers, including: 0.1 M NaOH; 0.01M HCl; 1 M acetic acid; 8 M urea; 6 M guanidine HCl; 1% SOS, 24% Ethanol; 30% Propanol; 30% Acetonitrile		
FRACTIONATION RANGE	1.5- 30 kD for globular proteins, 0.5-10kD for dextrans		
pH STABILITY	2.0 to 13.0		
AUTOCLAVABLE	121°C, pH 7.0 (30 minutes)		
STORAGE TEMPERATURE	Ambient		

X: Product quantity. Medium & Fine (100 g or 500 g). Superfine (100 g)

For laboratory use only. Not for use in diagnostic or therapeutic procedures.