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OPERATING CONDITIONS and SPECIFICATIONS

TSKgel [®] BioAssist Chelate						
Part Numbers: 0020022		0020022	7.8 mm ID x 5.0 cm L	10 μm		
This sheet contains the recommended operating conditions and the specifications for TSKgel Chelate columns. Installation instructions and column care information are described in a separate Instruction Manual.						
A. OPERATING CONDITIONS						
1.	. Shipping Solvent: 10 mM		A acetic acid buffer (pH=4.5)			
2.	Max.Flow Rate:	1.2	mL/min			
	NOTE:			sity is used, the maximum flow rate may have to be reduced so as ressure drop. When changing solvents, use a flow rate equal to a.		
3.	Standard Flow Rate:	0.5 - 1.0	mL/min			
4.	Max. Pressure:	1.0	МРа			
5.	pH Range:	2.0 - 12.0				
6.	Salt Conc.:	\leq 4 Molar				
7.	Organic Conc.:	\leq 20 %	Avoid precipitating salt on the	column		
8.	Temperature:	≤ 45 °C	Reduce flow rate when operat	ing below 10°C.		
9.	Cleaning Solvents:		(1) 0.1 - 0.2 M NaOH, and, if(2) 20 - 40 % acetic acid aq.	not successful,		
	NOTE:		Clean the column regularly by increments.	injecting up to one column volume 0.1 - 0.2 M NaOH in 250 μL		
10.	Storage:		methanol for longer term stora salt precipitation. For overnigh	ater when it will not be used the next day or 20% ethanol or ige. Rinse with distilled water before switching to organic to avoid it storage flush the column with the low salt concentration mobile flow rate. Prevent air from entering the column!		

11. **Column Protection:**

B. SPECIFICATIONS		The performance of TSKgel Chelate columns is tested under the conditions described in the Data Sheet. All columns have passed the following quality control specifications		
Number of Theoretical Plates (N):	<u>></u>	800		
Asymmetry Factor (AF):		0.8 – 1.6		

The use of pre-filter is recommended to prolong the life of the analytical column.