

Fast separation of myoglobin, conalbumin and BSA with BioFox 40/1200 Q

Method	VBS0051J	
FPLC	anion-exchange chromatography	
Column:	Glass column Bioline 300 x 10 mm ID	Order No. A71110
Phase:	BioFox 40/1200 Q (15 cm bed height, 12 ml)	Order No. 00IX15HBFZ
Conditions:	Eluent: A: 20 mM TRIS [Tris(hydroxymethyl)-aminomethane] pH 8,5 B: 20 mM TRIS pH 8,5, 1 M NaCl Gradient: 0 - 12 min 100 % A 12 - 40 min 100 % A / 0 % B → 75 % A / 25 % B 40 - 46 min 100 % B 46 - 51 min 100 % A Flow rate: 5 ml/min Temperature: Room temperature Sample: 100 µl protein mixture (1:2:4; myoglobin, conalbumin, BSA)	
Detection:	UV 280 nm (blue line), conductivity (green line)	
Substances:	2 mg/ml equine myoglobin, 4 mg/ml conalbumin and 8 mg/ml BSA (bovine serum albumin)	
Keywords:	BioFox 40/1200 Q, FPLC, Ion-exchange chromatography (anion-exchange chromatography), protein purification, myoglobin, conalbumin, BSA	

Chromatogram:

- 1 myoglobin
- 2 conalbumin
- 3 BSA

