69385 Protein Standard Mix 15 – 600 kDa for testing of SEC/GFC columns

Storage Temperature –20°C

Product Description
The Protein Standard Mix is a calibration standard to test and monitor performance of size exclusion chromatography (SEC) columns. It is a lyophilized mixture of molecular weight markers ranging from 15 kDa to 600 kDa. The mixture consists of 4 proteins thyroglobulin, gamma-globulins, albumin, ribonuclease A and a low molecular weight marker (pABA).
The standard is supplied as a single product or as set of 6 x 2 mL vials.

Components

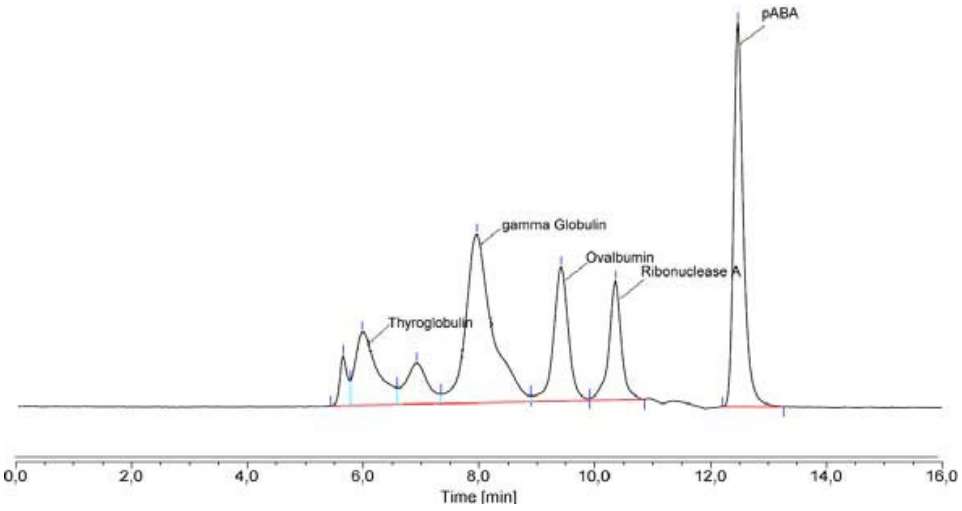
Thyroglobulin bovine	0.5 g/l	MW ~ 670 000
γ-globulins from bovine blood	1.0 g/l	MW ~ 150 000
Albumin chicken egg grade VI	1.0 g/l	MW ~ 44 300
Ribonuclease A type I-A from bovine pancreas	1.0 g/l	MW ~ 13 700
p-aminobenzoic acid (pABA)	0.01 g/l	
Buffers and preservatives		

Preparation Instructions
Add 1 mL deionized H2O to the protein standard vial and swirl gently to solve the lyophilizate. Spin down eventually unsolved fine particles. The clear supernatant can then be applied to the HPLC column.

Storage/Stability

The lyophilized standard is stable when stored at –20°C for 2 years. The hydrated protein mixture can be kept for up to one week at 2-8°C.

Figure



Conditions:

Column	7.8 mm ID x 30 cm L
Elution	0.1 M sodium phosphate, 0.1 M sodium sulfate, 0.05 % sodium azide, pH 6.7
Flow rate	1 ml/min
Detection	UV @ 280 nm
Recommended injection volume	20 µl

Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.