

Easy size exclusion chromatography of a protein standard with AZURA Compact BIO LC 10

Method VBS0060J

FPLC Size exclusion chromatography

Column: Pre-packed BioFox 17/1200 SEC column 300x8 mm ID 15ml

Phase: BioFox 17/1200 SEC media

Conditions: Eluent: 20 mM Phosphate buffer pH 7.0, 300 mM NaCl
Gradient: Isocratic, 0 – 20 ml
Flow rate: 0.13 ml/min
Temperature: Room temperature
Sample: 10 µl Gel filtration standard

Detection: UV 280 nm

Substances: Gel filtration standard
bovine thyroglobulin 10 mg/ml, bovine gamma-globulin 10 mg/ml, chicken ovalbumin 5 mg/ml, horse myoglobin 5 mg/ml, vitamin B₁₂ 1 mg/ml in deionized water (BioRad Order No. 151-190)

Keywords: FPLC, SEC, protein separation, size exclusion chromatography, thyroglobulin, gamma-globulin, ovalbumin, myoglobin, vitamin B₁₂

Chromatogram:

- 1 aggregates
- 2 thyroglobulin 670 kDa
- 3 gamma-globulin 158 kDa
- 4 ovalbumin 44 kDa
- 5 myoglobin 17 kDa
- 6 vitamin B₁₂ 1.35 kDa

