

CoreFocus
Report
No.78

LC

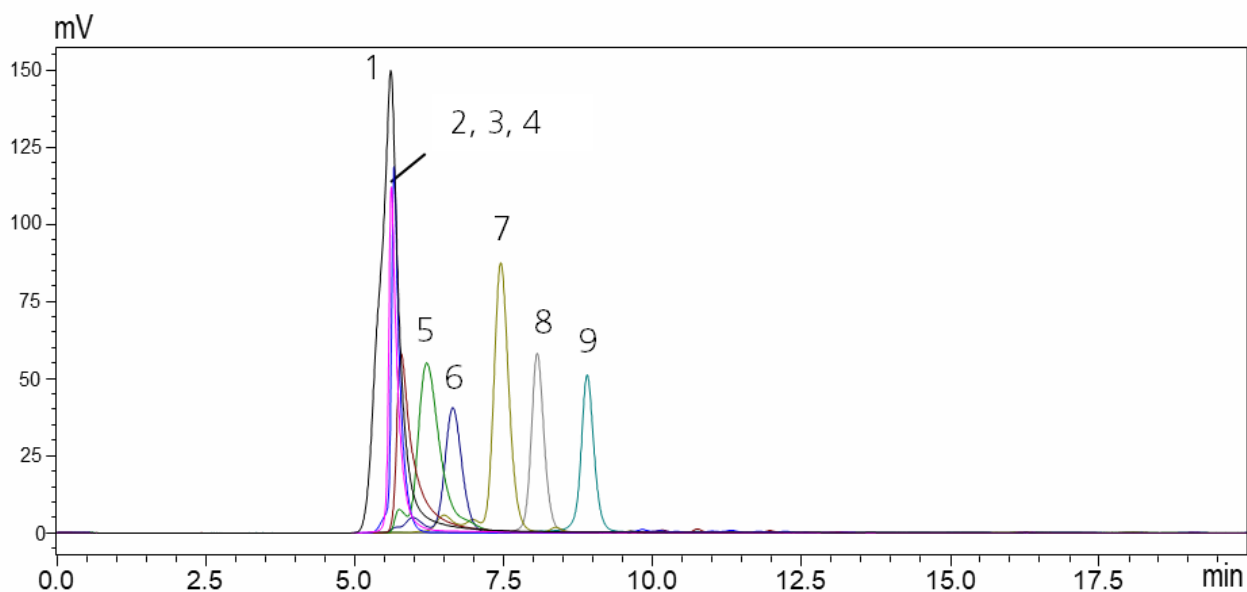
SEC (GFC)

Shim-pack Series

Shim-pack™ Bio Series

**Analysis of Protein Standards with
Shim-pack Bio Diol-120**

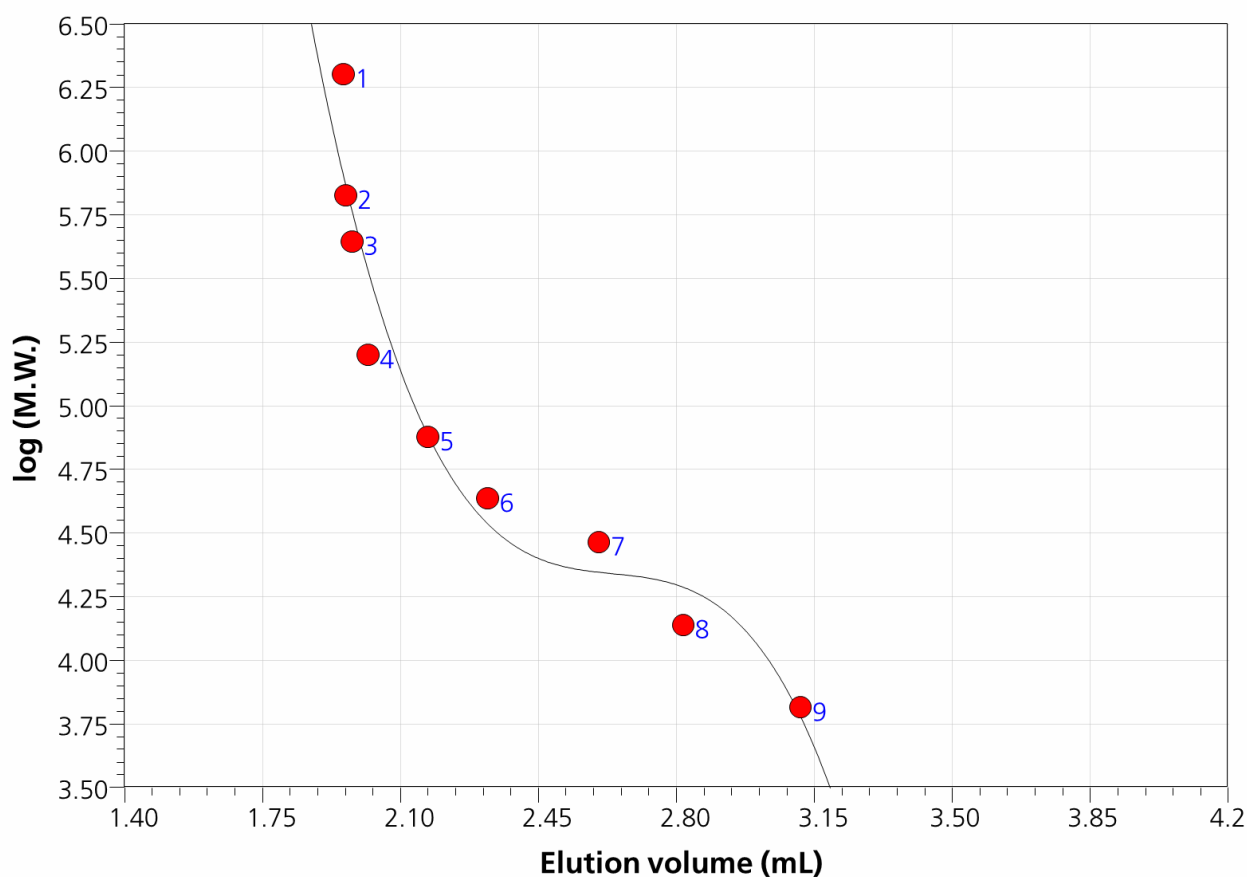
Keywords: Size exclusion chromatography (SEC), protein, Cytiva calibration kit



1. Blue Dextran :	M.W.* > 2,000,000	(1 mg/mL)	6. Ovalbumin :	M.W. = 43,000	(1 mg/mL)
2. Thyroglobulin :	M.W. = 669,000	(1 mg/mL)	7. Carbonic anhydrase :	M.W. = 29,000	(1 mg/mL)
3. Ferritin :	M.W. = 440,000	(0.5 mg/mL)	8. Ribonuclease A :	M.W. = 13,700	(1 mg/mL)
4. Aldolase :	M.W. = 158,000	(5 mg/mL)	9. Aprotinin :	M.W. = 6,500	(1 mg/mL)
5. Conalbumin :	M.W. = 75,000	(1 mg/mL)			

*M.W.: Molecular weight

System	: Nexera™ lite inert
Column	: Shim-Pack Bio Diol-120 (300 mm L. x 4.6 mm I.D., 5 µm), P/N : 227-31008-02
Mobile phase	: 100 mmol/L Phosphate (Na) buffer (pH 6.8) + 150 mmol/L NaCl
Flow rate	: 0.35 mL/min
Column temp.	: 25 °C
Detection	: UV 280 nm
Injection vol.	: 10 µL
Sample	: Cytiva Gel Filtration LMW Calibration Kit Cytiva Gel Filtration HMW Calibration Kit
Vial	: TORAST™-H Bio Vial, P/N:370-04350-00



Calibration curves with Cytiva calibration kit
 (* The calibration curve is created by LabSolutions™ GPC Software.)

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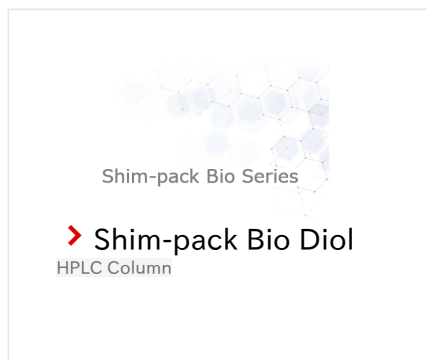
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