

# CoreFocus Report

## No.559

LC

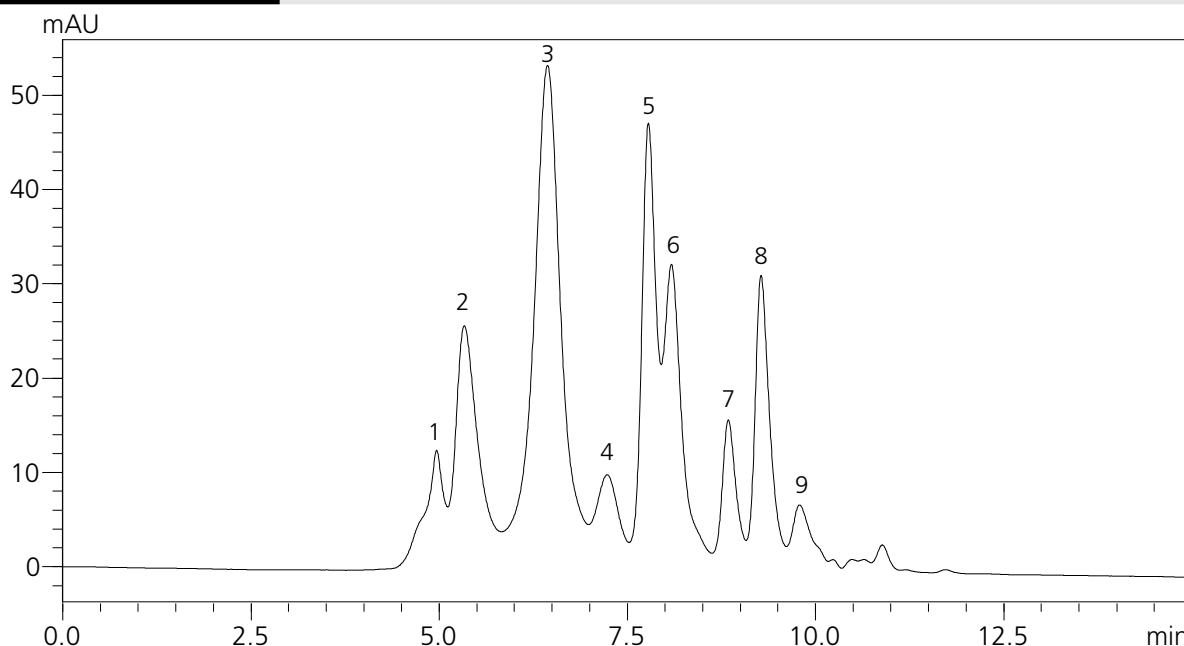
SEC(GPC)

Shim-pack Series

### Shim-pack™ Bio Diol-250

## Analysis of Protein Standards with Shim-pack Bio Diol-250

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



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

\*M.W.: Molecular weight

|                |                                                                                          |
|----------------|------------------------------------------------------------------------------------------|
| System         | : Nexera™ XR                                                                             |
| Column         | : Shim-Pack Bio Diol-250 (300 mm L. x 4.6 mm I.D., 3 µm), P/N : 227-31216-01             |
| Mobile phase   | : 100 mmol/L Phosphate (Na) buffer (pH 6.8) + 150 mmol/L NaCl                            |
| Flow rate      | : 0.4 mL/min                                                                             |
| Column temp.   | : Ambient                                                                                |
| Detection      | : UV 280 nm                                                                              |
| Injection vol. | : 20 µL                                                                                  |
| Sample         | : Cytiva Gel Filtration LMW Calibration Kit<br>Cytiva Gel Filtration HMW Calibration Kit |
| Vial           | : TORAST™-H PP Vial, P/N:370-04052-01                                                    |

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