

## **ZORBAX GF-250 Separation of Bio-Rad Gel-Filtration Standards**

Size-exclusion columns separate molecules on the basis of size (or hydrodynamic volume). These columns can be calibrated and tested for proper operation through the use of molecular-weight markers. The Bio-Rad gel-filtration markers allow calibration in the proper molecular-weight range for a GF-250 or GF-450 column.



Mobile Phase: 200mM Sodium Phosphate, pH 7.0 Injection 5µL, 2 mL/min, Ambient, Detect. UV (254 nm)

## Highlights

- The high efficiency of ZORBAX GF-250 columns provides excellent resolution of these molecular-weight markers.
- The strength of Porous-Silica Microspheres used in ZORBAX columns allows high flow rates (2-4 mL/min) and short run times.
- These protein standards (up to 670 Kdal) are separated by size with good linearity, as shown in a plot of log M.W. vs. retention volume.



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