HALO

BIOPHARMACEUTICALS



Effect of HALO[®] ES-C18 Pore Size on Protein Peak Shape and Width

Application Note 170-PR



PEAK IDENTITIES:

- 1. Ribonuclease A (13.8 kDa)
- 2. Lysozyme (14.4 kDa)
- 3. SILu™ Lite SigmaMAb Antibody (~150 kDa)
- 4. Enolase (46.7 kDa)

Pore size can play an important part in HPLC separations. A range of proteins and a monoclonal antibody are separated on HALO[®] ES-C18 160 Å, 400 Å, and 1000 Å columns. Peak widths decrease as the column's pore size becomes larger, especially for the monoclonal antibody. The 160 Å pore size is recommended for molecules in the range of 100 Da to 15kDa. The 400 Å pore size is recommended for molecules between 2kDa to 500 kDa. The 1000 Å pore size is used for molecules over 50 kDa.

TEST CONDITIONS:

STRUCTURES:

