

ES Industries has developed a line of wide pore columns to provide the bioanalytical chromatographer with a highly efficient state-of-the-art base deactivated wide pore HPLC column. The MacroSep line is based upon ultra-high purity metal free silica containing highly controlled pores of 300Å diameter. This column technology is a superior tool for the analysis of proteins, peptides and other biomolecules.

MacroSep C4 consists of butyl aliphatic groups bonded to the surface of 300Å pore diameter ultra-high purity silica. MacroSep C4 can be used to separate glycoproteins, peptides, hemoglobin variants, human growth hormone and membrane proteins. A peptide chromatogram separated on MacroSep C4 is shown below.

All of the MacroSep phases undergo extensive QC testing to ensure consistent column to column performance. Tightly controlled pore size and particle size distribution lead to extremely durable columns with low back pressure and long lifetimes. Our ultra-high purity silica is carefully analyzed to ensure that it remains free from any metal contamination through the entire manufacturing process. All columns are manufactured under strict QC requirements using test procedures and protocols designed by bioanalytical chromatographers.

