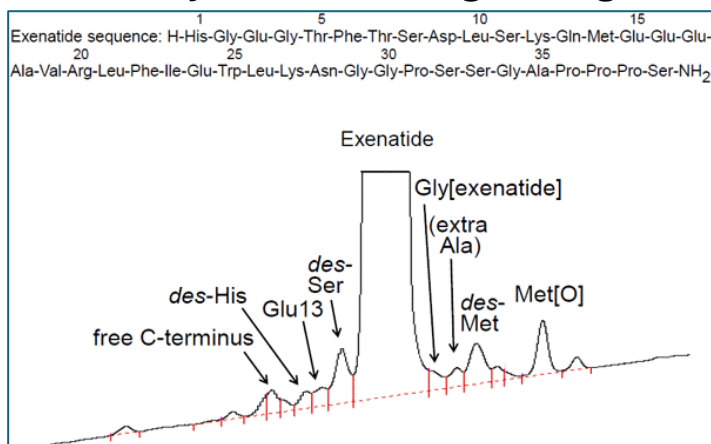


## Quality Control Using Strong Cation Exchange Chromatography



## Exenatide Variant Analysis

Columns: 2 of PolySULFOETHYL A 300Å, 3µm, 100×4.6mm connected in series

Sample: Exenatide (refer to the above sequence)

Eluent A: 0.1M KH<sub>2</sub>PO<sub>4</sub>, pH 3.3 (adjusted after filtration and before addition of ACN) containing 43.6% ACN

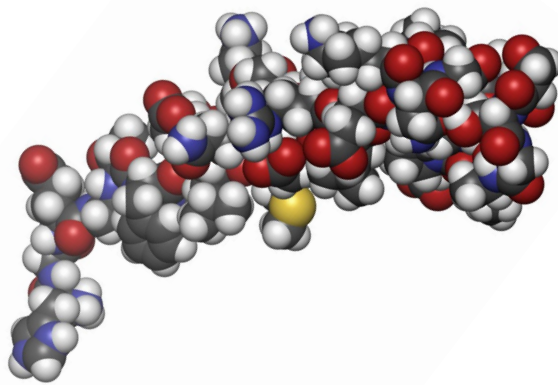
Eluent B: Same thing but with 0.23M NaClO<sub>4</sub> (adjust pH to 3.3 after dissolving the NaClO<sub>4</sub> and KH<sub>2</sub>PO<sub>4</sub> but before the addition of the ACN)

Gradient: 0% B in 0-5 minutes  
0-60% B in 5-45 minutes  
60-100% B in 45-50 minutes  
100% B in 50-52 minutes  
100-0% B in 52-54 minutes

Flow rate: 1.2ml / min

Temp.: 40°C

Detector: UV<sub>214nm</sub>



This method is usually implemented with the following PolySULFOETHYL A™ columns:

PN: 104SE0303 100 X 4.6mm column containing PolySULFOETHYL A 3-µm, 300-Å

PN: 204SE0303 200 X 4.6mm column containing PolySULFOETHYL A 3-µm, 300-Å

PN: 104SE0203 100 X 4.6mm column containing PolySULFOETHYL A 2-µm, 300-Å

PN: 102SE0203 100 X 2.1mm column containing PolySULFOETHYL A 2-µm, 300-Å

Also available: Other column dimensions and pore sizes. Guard cartridges and reusable holders are available for all material combinations.

Contact us at: [info@polylc.com](mailto:info@polylc.com) PolySULFOETHYL A is a trademark of PolyLC Inc.