Purity Check of a Synthetic α-homo Polylysine (250) Preparation using Capillary Electrophoresis

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Bioscience

Abstract

The smaller synthesis by-products can be resolved from the main component. The purity level of the 250-mer was estimated to be > 99.7 %.

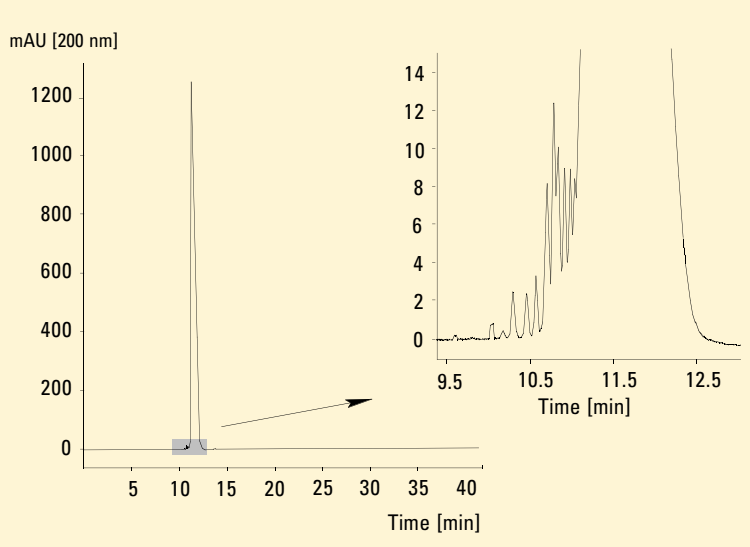

Figure 1
Purity check of a synthetic α-homo polylysine (250) preparation using capillary electrophoresis

Conditions

Buffer
50 mM phosphate, pH 2.0,
Sample
synthetic polylysine 250-mer
Capillary
effective length72 cm
total length 80.5 cm
internal diameter 50 µm
internal diameter at point of detection is 150 µm
Injection
200 mbars
Temperature
25 °C
Field strength
370 V/cm

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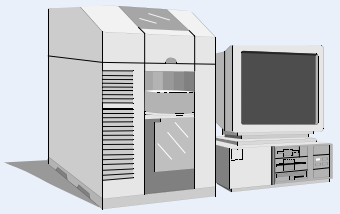
Equipment

Agilent Capillary Electrophoresis system



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