

HeLa Protein Digest Standard (Mass Spectrometry Quality Control)

H1456336

Introduction:

The HeLa protein digestion standard is a protein sample derived from HeLa cells and subjected to enzymatic hydrolysis, which is used for mass spectrometry analysis. Its main functions include quality control, method development, quantitative analysis, protein identification, and modification analysis. It is an indispensable tool in mass spectrometry analysis, capable of improving the accuracy and reliability of the analysis.

Storage and Transportation:

Storage: The lyophilized powder is stable for 2 years when stored at -20°C or below. The reconstituted and aliquoted product can be stored at -80°C for 1 year. Avoid repeated freezing and thawing.

Transportation: It is recommended to transport with ice packs to maintain low temperature..

Operating Procedures:

Preparation: It is recommended to dissolve the product with 0.1% FA (formic acid) solution. For example: take 1 tube of 20 μg HeLa protein digestion standard lyophilized powder, add 40 μL of 0.1% FA (formic acid) solution to dissolve it, and vortex to dissolve. The final concentration is 0.5 $\mu\text{g}/\mu\text{L}$, and aliquot for storage.

Loading: Use an appropriate amount for loading. Generally, 500ng is recommended for a 60-minute gradient, and 1-2 μg for a 120-minute gradient. Inject the peptide standard solution into the mass spectrometer for analysis.

Precautions and Disclaimer:

1. This product is limited to scientific research use by professionals, and shall not be used for clinical diagnosis or treatment, nor for food or drugs.
2. For your safety and health, please wear a lab coat and disposable gloves and masks during operation.