MT Explorer 50

Interfaced with AP/MALDI Ion Source for Biological Applications

A compact tandem mass analyzer with performance of a desktop instrument - ideal for field and lab hood use

Features:
- Atmospheric pressure interface (API)
- MS and MS/MS modes of operation
- Mass range: 30-2,500 Da
- Mass accuracy: 0.3 Da
- Weight: 75 lbs
- Dimension: 12” x 17” x 20”
- Power: 100-300 W

Limit of Detection

AP MALDI MS spectra of peptide mixture of Angiotensin II (MW 1046 Da) and P14R (MW 1534 Da): 10 fmol and 1 fmol (insert) loaded
Identification of *Bacillus Globigii* Spores

AP MALDI MS/MS spectrum of *Bacillus Globigii* spores after chemical processing and digestion by trypsin (BG spores biomarker peptide are indicated)

AP MALDI MS/MS spectrum of BG peptide ion with m/z value of 1585 in the spectrum above