



UniQ LB3™

Triple Quadrupole Mass Spectrometer for LC

The Most Compact, Self-Cleaning, TQ
Makes Your Analysis More Rapid & Simple

Baarion™ (Self-Cleaning ESI/APCI Ionization Source)
Built for integration with LC

The First Compact and Transportable Triple Quadrupole Mass Spectrometer

At just 35cm x 50cm, the UniQ™ has the smallest footprint of any Triple Quad MS on the market.

QuadroCore's UniQ LB3™ Features:

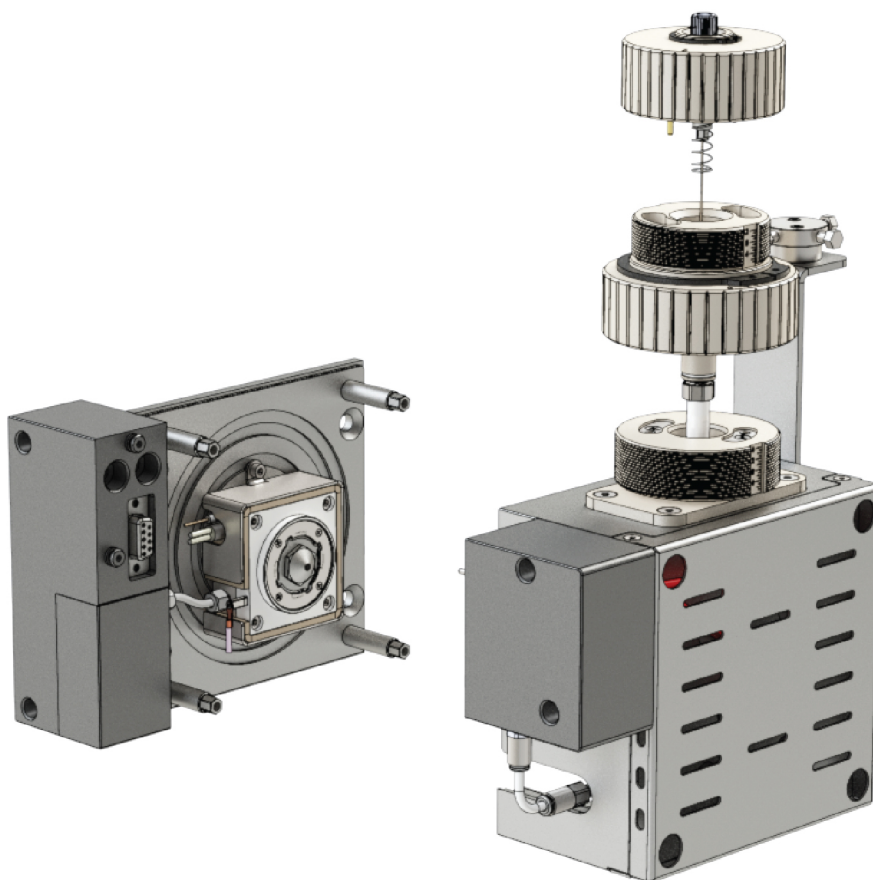
- QuadroCore's All-New Baarion™ Ionization Source Technology (ESI/APCI) with SCIS & SI™ (Self Cleaning Ionization Source and Sample Introduction)
- QuadroCore's All-New Highly Sensitive, Robust, and Reproducible Triple Quadrupole MS/MS Core Technology
- QuadroCore's User Friendly MCore™ Software
- Remote Diagnostics and Troubleshooting with QDC Link™



Technical Specifications

Dimensions and Weight	48cm(H) x 35cm(W) x 50cm(D), 43kg
Mass Range	m/z 5 - 2000
Scan Speed	25,000 Data Points Per Second
Polarity Switching	20 ms
Quad Resolution	0.25 - 4.0 Da
Dynamic Range	Six Orders of Magnitude
Mass Stability	0.1 amu in 24 hrs

More About the Baarion™ ESI/APCI Ionization Source

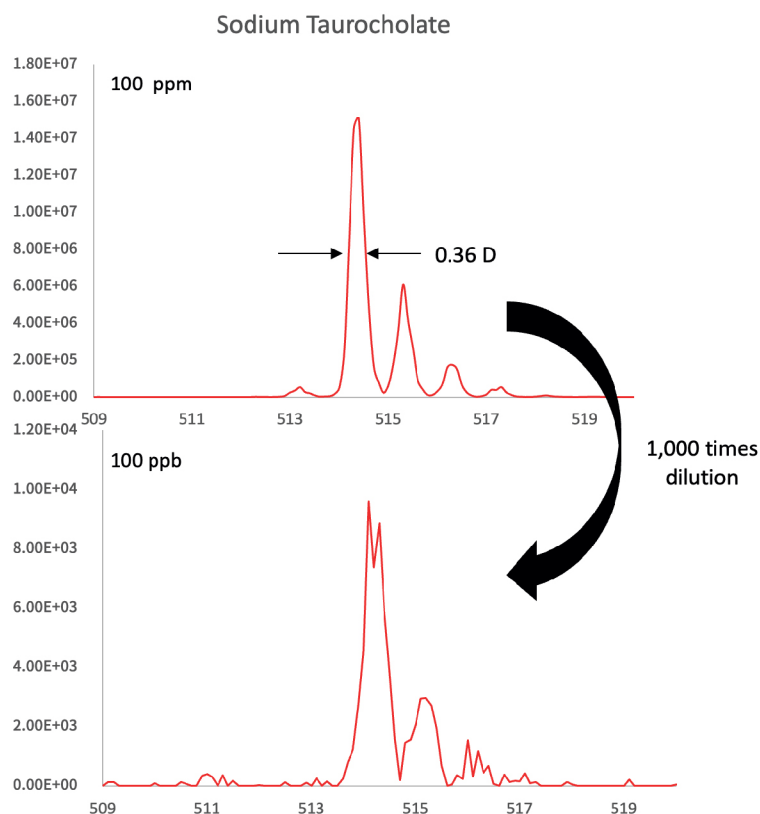


QuadroCore's All-New Baarion™ Ionization Source Represents the Cutting Edge of Innovation

- Ionization within a heated cavity for increased ion/gas ratio
- Ionization within a small cavity enables self-cleaning
- Source switching and polarity switching within 20 ms
- ESI Ionization aided by APCI needle push for increased sensitivity
- Co-Axial heated desolvation gas to maximize desolvation process
- Heated curtain gas to enhance desolvation process and sensitivity
- Formation of laminar flow with co-axial flow for better signal stability
- Off-Axis sample introduction greatly reduces chemical noise and improves signal stability and reproducibility

High Signal Intensity Low Chemical Noise

ESI Q1 Scan Spectra of Sodium Taurocholate at 100ppm and 100ppb in negative mode, tested on the UniQ LB3™



APCI Q1 Scan Spectra of Caffeine at 100ppm and 10ppb in positive mode, tested on the UniQ LB3™

