WHAT CAN MORE IONS DO FOR YOUR GC/MS/MS?

NEW AGILENT 7010 TRIPLE QUADRUPOLE GC/MS

Redraw the boundaries of GC/MS/MS workflow efficiency and analytical performance with the new high-efficiency Electron Ionization (EI) source. Simply put, more ions means more success for you and your lab.

Learn how more ions can give you more confidence in your data.
Visit agilent.com/chem/7010

Let us help you find the right GC configuration, MS technology, and software package to meet your application and budget needs.
Visit agilent.com/chem/MS

MORE IONS ➤ boost workflow efficiency

The enhanced sensitivity of the new high-efficiency EI source allows you to run only 1/4 the sample volume for routine analysis.

The benefits include:
• Up to 300% improvement of liner life
• Up to 3x longer column life based on smaller sample injection
• Simplified workflow – no need for sample preconcentration

Before: 2 µL
NOW: 0.5 µL

MORE IONS ➤ detection limits lowered to attogram levels

The enhanced sensitivity of the new high-efficiency EI source enables up to 20x more ions, and delivers unprecedented performance.

The benefits include:
• Shorter dwell times required to achieve expected precision
• More transitions measured per compound
• Improved ion ratios for better qualitative information

Analysis of dioxin 2,3,7,8-TCDD (10 fg on-column)
Sensitivity beyond HRMS (mag sector)

10 fg TCDD
n = 5

Analysis of octafluoronaphthalene (2 fg)
LOD = 300 attograms (calculated from 8 consecutive injections)

2 fg OFN
n = 8

Attogram detection limits from an EI source!

AGILENT’S NEW HIGH-EFFICIENCY ELECTRON IONIZATION SOURCE

• More intense electron beam
• Longer interaction path length
• Proprietary lens configuration

Agilent 7010 Triple Quadrupole GC/MS
Setting new standards for EI performance