

EXCELLIMS

Innovation for Excellence in Detection Technology

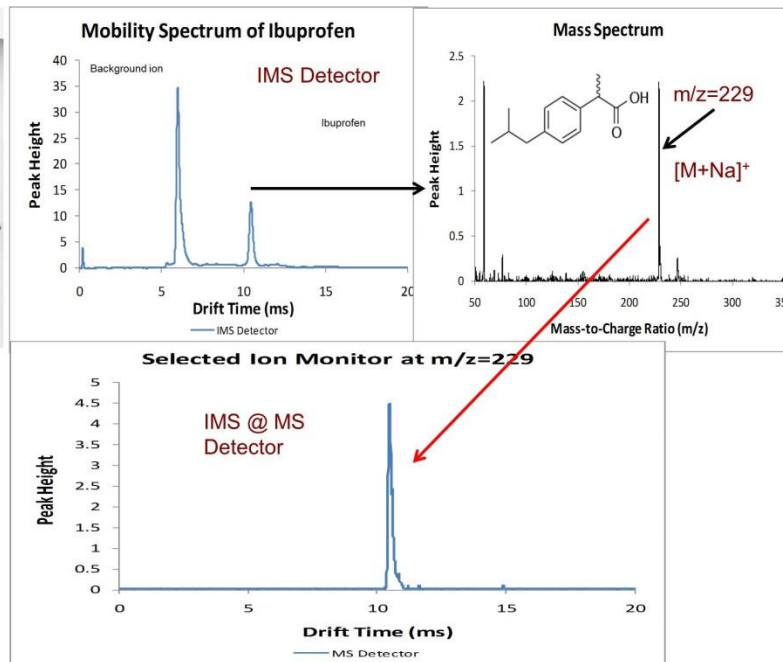
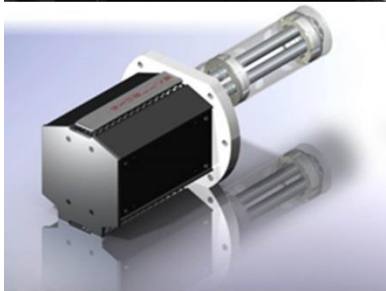
RTK – Modular High Performance Ion Mobility Spectrometer

Component based system adds flexibility & let's you customize your analysis



- Complete HPIMS research solution
- High performance IMS components – hardware, electronics, software and interfaces to other analytical instruments
- Components share the same architecture with all Excellims HPIMS systems
- Excellims Vislon™ Data Analysis software

Modular HPIMS for existing Mass Spectrometers



Pre-Separation by HPIMS & Confirmation by MS

- Flexible ion gate control allows input of user generated waveforms
- Communication with MS software for integrated IMS-MS operation
- Upgrade path to RA4100 HPIMS-MS system

HPIMS™

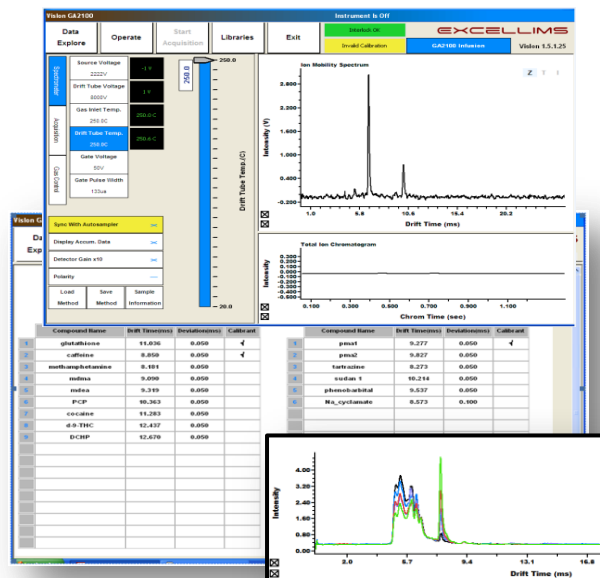
EXCELLIMS

Innovation for Excellence in Detection Technology

Excellims Vislon™ software package

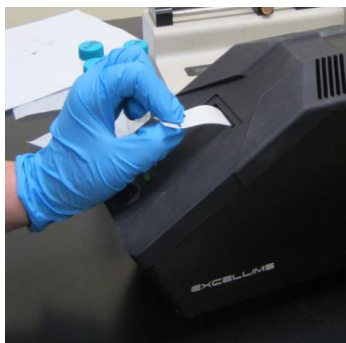
Complete data acquisition and analysis

Complete control of instrument settings and operation. Build user-defined custom libraries that automatically identify compounds of interest. Analysis software allows the user to integrate peaks, overlay spectra, and build calibration curves. Data can be exported into commonly accepted formats.



Ion sources options

Liquid samples are ionized by the Directspray™ ESI source or by the infusion ESI source. The Directspray™ ionizes off of a syringe needle, while infusion connects to an autosampler or flow cell. Solid samples are analyzed from a swab on the thermal desorber, which also includes an inlet for gas analyses.



Flexible configurations add versatility

Drift gas modification unit option

An optional drift gas modification unit allows for advanced HPIMS method development. Better ion mobility separation can sometimes be achieved by using structure selective interaction between analytes and specific compounds in the drift gas.

Excellims Corporation
20 Main Street Acton, MA 01720
Phone: 978-264-1980
Fax: 978-264-1981
www.Excellims.com

HPIMS™