

AccuTOF™ Introduced as First LC/TOF with High Dynamic Range

JEOL's new LC/TOF, the AccuTOF, combines sensitivity, resolution, and high mass accuracy with a high dynamic range to address trace component analysis, automated exact mass measurements, and quantitative analysis.

The AccuTOF is the first API TOF to provide all these features for under \$150K. The AccuTOF is available in our applications lab for demonstrations and evaluation. Contact your local sales person (see list on next page) to get all the details.



For More Information

"New Generation LC-TOF MS: AccuTOF"

http://www.jeol.com/ms/docs/accutof_app.pdf

"Using a Positive-Ion Calibration for an Exact Mass Measurement in Negative-Ion Mode"

http://www.jeol.com/ms/docs/accutof_app2.pdf

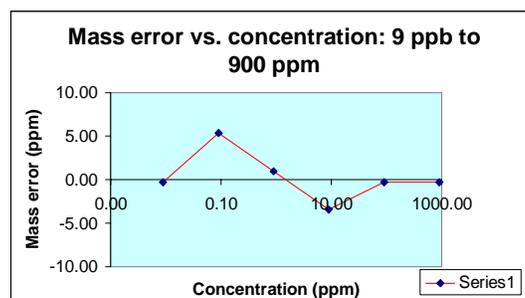
*Where to See Us
about the New
AccuTOF*

**Fall ACS, Boston, MA
August 18 - 21, 2002**

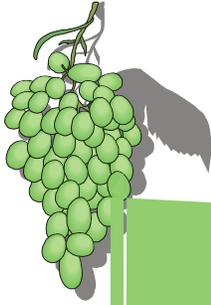
Spotlight on AccuTOF Applications

Automated Exact Mass Measurements and Elemental Composition Determinations

To demonstrate the potential of the AccuTOF™ for automated exact mass measurements, a variety of small-molecule drug samples were measured by using a macro that allows the user to submit samples for unattended elemental composition determinations. Samples were introduced by using the LC autosampler. The macro applies an automatic drift ("lock mass") correction to the reserpine reference standard and prints out elemental compositions for user-specified elemental limits. The results show high accuracy and stability regardless of sample concentration.



For the complete applications note, visit http://www.jeol.com/ms/docs/Accutof_aemm.pdf



Dr. Chip
Applied