



**Press Release      Uppsala, Sweden, 10 March 2003**

## **Gyros AB and Kratos Analytical collaboration is a success**

Gyros AB today announced the success of their collaboration with Kratos Analytical, begun in May 2002. Users of the Axima-QIT™ and Axima-CFR™ plus line of mass spectrometry workstations will soon be able to benefit from using Gyrolab™ MALDI for sample preparation prior to analysis.

Gyros offers a miniaturized and fully integrated process for sample preparation prior to MALDI mass spectrometry, using a microlaboratory in the form of a compact disk (CD), Gyrolab MALDI SP1, that can be run under automated conditions. Protein digests are concentrated, purified and crystallized directly onto target areas on the CD under the control of Gyrolab Workstation. The CD is transferred to an AXIMA MALDI mass spectrometer for sample analysis and protein identification.

Results demonstrate that sample preparation using Gyrolab MALDI SP1 produces samples that can be analyzed at higher sensitivity levels than those achieved using conventional preparation techniques. Mr. Ichimura, Managing Director of Kratos Analytical, explained, "MALDI mass spectrometry is a well established technology for protein identification and well prepared samples will always give the best analytical results. High sensitivity not only improves identification rates, but facilitates the identification of low abundant proteins that are key interest in proteomics research. Improved sensitivity, high reproducibility and the ability to process up to 96 samples in parallel offer a significant step towards greater productivity and a higher success rate for protein identification. Fully automated analysis of the samples on the Gyrolab MALDI SP1 CD is now possible using the IntelliMarque™ software of the Axima instruments which is designed for identification of proteins from peptide mass fingerprints and data-dependent seamless PSD."

Maris Hartmanis, President and CEO at Gyros AB stated, "This collaboration has run very smoothly. We confirmed at an early stage that our microlaboratory format was suitable for use in Kratos mass

spectrometers. The two companies then worked closely together and, within a few months, produced accessories and software necessary for smooth operation. Gyrolab Workstation and Gyrolab MALDI SP1 are now fully compatible with Kratos instrumentation. Products are now available for Axima-CFR. Final verification work on Axima-QIT is in progress, and we are confident of a successful outcome."

## **About Gyros AB**

Gyros miniaturizes and integrates laboratory applications, enabling scientists to generate more information from less sample and to improve lab performance. Using our proprietary technology platform, we increase productivity by streamlining the many steps of conventional applications into single, nanoliter scale procedures. Optimal environments are created for each application.

A Gyrolab microlaboratory, in the form of a compact disk, can process hundreds of samples in parallel, under the control of Gyrolab Workstation. Our company will realize the full potential of the Gyros technology platform in the fields of drug discovery and diagnostics. Initial product offerings are focused towards the growing area of proteomics. Gyros has more than 90 employees working at its headquarters in Uppsala Science Park, Sweden and in sales offices in the USA and Europe.

For further information, visit [www.gyros.com](http://www.gyros.com) or contact:

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## About Kratos

Kratos Analytical Limited is a wholly owned subsidiary of the Shimadzu Corporation of Kyoto, Japan, selling and distributing its MALDI mass spectrometry products through the global Shimadzu Biotech business organisation. Its strengths lie in the quality of design, in the excellence of products and in the commitment to partnerships with customers.

Kratos Analytical employs innovative strategies in the development of MALDI MS products, including the unique patented curved field reflectron of the Axima-CFR for controlled seamless post source decay fragmentation of peptides, and the novel Axima-QIT hybrid MALDI quadrupole ion trap time-of-flight mass spectrometer, for detailed structural determination of biomolecules.

For further information, visit <http://www.shimadzu-biotech.net> or contact:

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