



## NEWS RELEASE

### Pharmaceutical tablets – to image or not to image?

*New downloadable guidance document on Malvern website*

**12 August 2009: Malvern, UK:** Spectroscopy specialists at Malvern Instruments have published a guidance document that sets out the most important points to consider when purchasing a laboratory-based spectroscopic tablet analysis system. The document, part of Malvern's new 'INFORM' series of white papers, focuses particularly on the differences between a bulk (single-point) analysis and the more detailed mapping and imaging approaches now available. The new white paper, entitled 'Pharmaceutical tablets – to image or not to image?', is now available for download from the Malvern website at:

[http://www.malvern.com/malvern/kbase.nsf/allbyno/KB001955/\\$file/MRK1234-01.pdf](http://www.malvern.com/malvern/kbase.nsf/allbyno/KB001955/$file/MRK1234-01.pdf)

Compositional analysis of pharmaceutical tablets using spectroscopy is generally simpler and more cost-effective than other techniques. Spectroscopic mapping and imaging provide previously inaccessible data describing the spatial distribution of chemical components. These measurements enable product understanding at a structural level, informing both function and quality.

Before investing in a new system for spectroscopic analysis it is important to specifically define all user expectations regarding the desired rapidity and scope of results. The freely downloadable white paper from Malvern summarises the top five most important questions prospective buyers of spectroscopic tablet analysis systems should ask:

[http://www.malvern.com/malvern/kbase.nsf/allbyno/KB001955/\\$file/MRK1234-01.pdf](http://www.malvern.com/malvern/kbase.nsf/allbyno/KB001955/$file/MRK1234-01.pdf)

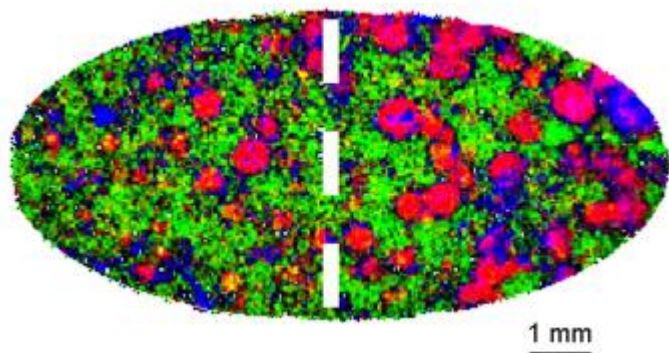
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**Image, notes and contact details to follow...**

High resolution image attached or available from Trish Appleton, Kapler Communications  
[trish@kapleronline.com](mailto:trish@kapleronline.com) Ref: MAL/JOB/1738

**CAPTION:** NIR chemical image representation showing API (shown in red) distribution in a tablet



#### **About Malvern Instruments**

Malvern Instruments provides a range of complementary materials characterization tools that deliver inter-related measurements reflecting the complexities of particulates and disperse systems, nanomaterials and macromolecules. Analytical instruments from Malvern are used in the characterization of a wide variety of materials, from industrial bulk powders to nanomaterials and delicate macromolecules. A broad portfolio of innovative technologies is combined with intelligent, user-friendly software. These systems deliver industrially relevant data enabling our customers to make the connection between micro (such as particle size) and macro (bulk) material properties (rheology) and chemical composition (chemical imaging).

Particle size, particle shape, zeta potential, molecular weight, chemical composition and rheological properties measurements are now joined by advanced chromatography solutions (GPC/SEC), extending Malvern's technologies for protein molecular weight, size and aggregation measurements, and synthetic polymer molecular weight and distribution. The company's laboratory, at-line, on-line and in-line solutions are proven in sectors as diverse as cement production and pharmaceutical drug discovery.

Headquartered in Malvern, UK, Malvern Instruments has subsidiary organizations in all major European markets, North America, China, Korea and Japan, a joint venture in India, a global distributor network and applications laboratories around the world. [www.malvern.com](http://www.malvern.com)

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