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Contact: Anders Lofstrand
Phone: +1-301-680-9600
alofstrand@foss-nirsystems.com
<http://www.foss-nirsystems.com>

FOSS

New FOSS NIR article: Prediction of Solid Dosage Form Dissolution Profiles

FOSS NIRSystems, Inc. has, together with the University of Tennessee, Department of Pharmaceutical Sciences, written an article on the subject: *NIR Prediction of Solid Dosage Form Dissolution Profiles*. The article will appear in the July/August issue of NIR news, Vol. 20, No. 5 (2009), pages 10-11.

This study concludes that Near-Infrared Spectroscopy (NIRS) prediction of the dissolution profile of intact tablets provides a fast and accurate means of non-destructively assessing tablets, which is in step with the FDA Process Analytical Technology (PAT) initiatives. The data shows promising results that could relieve laboratory workload from dissolution testing. NIRS is an analytical technique based on absorptions measured in the near-infrared region of the electromagnetic spectrum, which is between the visible and the mid-infrared.

FOSS NIRSystems, Inc., a unit of FOSS A/S of Denmark, is the world's leading manufacturers of near infrared analytical instruments. Headquartered in Laurel, MD, FOSS NIRSystems provides a complete range of rapid scanning, near-infrared spectrophotometers for laboratory and process applications. Sales, service, and support offices are located on nearly every continent to assist local personnel in 65 industrial centers worldwide.

For more information on FOSS NIRSystems and its complete product line, please contact:
FOSS NIRSystems, Inc.; 7703 Montpelier Road; Laurel, MD 20723; USA. Phone: +1-301-680-9600; Fax: +1-301-236-0134;
email: info@foss-nirsystems.com or visit our website at: www.foss-nirsystems.com

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Dedicated Analytical Solutions

FOSS NIRSystems, Inc. T: +1-301-680-9600
7703 Montpelier Road F: +1-301-236-0134
Laurel, MD 20723 E: info@foss-nirsystems.com
USA

www.foss-nirsystems.com