

Visit CAMAG at Analytica in Munich



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Dear reader,

Modern instrumental Thin-Layer Chromatography will be on display at Analytica!

A state-of-the-art instrument setup and "winCATS", the intelligent software for Planar Chromatography, turns TLC/HPTLC into a modern, sophisticated tool for your analytical task.

CAMAG has a long record of developing such state-of-the-art instruments and in Munich we will again present several new products, vital for improving the quality, productivity and user friendliness of your daily work.

Our highly motivated CAMAG team will be happy to show you how to improve the results of your TLC/HPTLC work with new instruments, improved software and excellent application know-how.

See you at the CAMAG booth in hall A1 # 320, April 25–28.

It will be worth your time.

News & Events

Forum Labo,

28–31 March 2006 in Paris/France,
Chromacim booth # C30 – D31,
Hall Albinoni

ANALYTICA,

25–28 April 2006 in Munich/Germany
CAMAG booth # A1.320, Hall A1

International Symposium on High-Performance Thin-Layer Chromatography,

09–11 October 2006, Berlin/Germany,
<http://www.hptlc.com/>

CAMAG

March 2006

See you at Analytica 2006

Chromatogram development: easy, reproducible and automatic

TLC is an open system and therefore can be easily influenced by environmental effects and operator skills. Reproducible results can only be achieved, if all relevant parameters are kept constant.

The CAMAG Automatic Developing Chamber ADC2 marks a breakthrough in isocratic developments of thin-layer chromatograms under defined and reproducible conditions. ADC2 is designed to automate all manual operations necessary during TLC/HPTLC development and thus frees the user from all monitoring responsibilities. ADC2 is universally applicable and gives results of unsurpassed reproducibility regardless of climatic conditions.



Image acquisition: easy, reproducible and automatic

DigiStore2, the easy to use and fast documentation system for TLC combines a high fidelity digital camera with the established illumination unit Reprostar 3 for object illumination in visible/white light, UV 254, UV 366.

This most sensitive camera, designed for 12 bit digitalization and exceptionally linear response of the individual pixels, produces images with excellent color fidelity. The software winCATS controls all camera parameters and manages further image processing, such as image annotation, determination of position R_f , contrast amplification, image archival etc.

Automatic image optimization, flat field correction and matrix color correction assure reproducibility in the documentation step.



Detection of bioluminescence: easy, reproducible and automatic

In this new analytical tool, the well known technology of thin layer chromatography is combined with a bioassay. Complex mixtures are first separated into distinct zones of individual components. The HPTLC plate is then covered with the bioluminescent bacteria *Vibrio fischeri* which identify zones of toxic compounds as dark spots. Thus, single toxic compounds can be detected in the picomol range.

Screening for unexpected zones showing biological activity/toxicity is of interest for food and beverage samples, dietary supplements, drinking water, waste water, forensic medicine and natural product extracts.

See BioLuminex™, the novel *Vibrio fischeri* kit by Chromadex Inc. and BioLuminizer™, the imaging system dedicated for the detection of bioluminescence offering excellent image quality, high resolution, and a compact and user friendly design.



All these innovative instruments and tools can be seen
at the CAMAG booth A1 #320 at ANALYTICA, April 25–28.

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