

Focusing on the image, TLC's original strength



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Dear reader,

A unique strength of Thin-Layer Chromatography over all other chromatographic techniques has always been the possibility to present analytical results directly as images. A visual comparison between tracks of multiple samples and standards can be performed, using the image as a solid and highly reliable base.

With our latest image documentation system, **DigiStore 2**, we are again improving the homogeneity, reproducibility and ease of use of the image acquisition process in order to ensure that acquired images have the best chance of a favorable comparison with images acquired previously. A State of the Art scientific CCD camera with optics and software particularly optimized for TLC is adding up to the quintessential image documentation system.

We are proud to announce a new software tool, the **Image Comparison Viewer**, which is designed for even easier visual comparison of TLC tracks. A seamless integration into CAMAG's winCATS Planar Chromatography Manager software, allows incorporating this tool into your current work-flow and established working environment.

News & Events

New application notes:

- F-35 HPTLC detection of amaranth in Bilberry extract
- A-86.1 Artemisinin in Artemisia annua leaf

Events:

- Isade & Finex 2007, 2–6 July 2007, Paris/France
- EURO FOOD Chem XIV, 29–31 August 2007, Paris/France
- 55th Annual Meeting and International Congress of the Society for Medicinal Plant Research, 2–6 September 2007, Graz/AUSTRIA
- Curso de Cromatografía HPTLC Moderna, 05–07 Sept. 2007, Universidad de Concepción, Chile

CAMAG

Flash

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Visual comparison of multiple TLC samples made easy!

CAMAG's latest development is the Image Comparison Viewer, a new software option in winCATS – the Planar Chromatography Manager.

This new tool has broad applicability when the image is the primary result such as in fingerprint analysis for identification of botanicals and detection of adulteration in both, raw materials and finished products. Analysis of impurities in forensic, food and environmental labs can also take advantage of image comparison.

The Image Comparison Viewer permits the simultaneous display of tracks from individual samples or groups of samples from different TLC plates or analyses. The design, focused on the ease of use, includes three main steps:

Selecting samples

All available tracks are automatically marked and can be selected for immediate transfer to the Image Comparison Viewer.

Information such as position, width, length, and ID data of tracks is taken from the existing winCATS analysis file and automatically transferred to the viewer.

Comparing samples

The Image Comparison Viewer allows differentiating between reference and sample tracks. Easy side by side comparison of reference tracks or similar tracks can be performed in a quick and intuitive way.

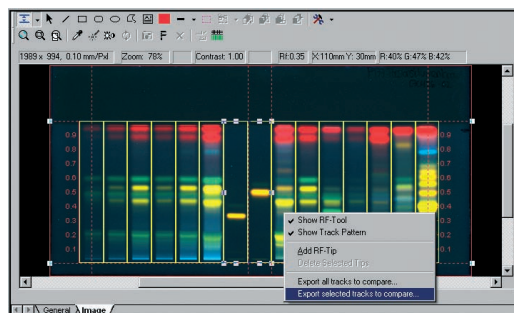
The table atop the image automatically displays for each tracks the most important data such as sample ID, analysis file name etc. Traceability is therefore made easy and always guaranteed.

Printing a report

A reporting tool is included. The generated comparison image contains all selected tracks side by side. Additional information such as sample IDs, references to the original analysis file names etc. is contained in a table and is printed together with the image.

Over time as the number of tracks for different sample categories accumulate, data can be stored in individual archives; each containing data for appropriate batch, lot number, or any other category comparison.

Organizing visual comparisons and having the possibility to add additional samples and files have now become extremely easy. As with any component of a QA program, it is clearly understood that all generated data can be traced back to the original analysis.



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