

## New ADC2 released



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Dear Reader,

In almost any analytical lab around the world it is sometimes the case that results are not reproducible due to some "unknown influences"! Wouldn't it be fantastic to eliminate these "influences"?

Our goal at CAMAG has been to reduce these "influences" particularly as they relate to the development of TLC plates. Yes, we wanted to produce an instrument that would give reproducible results time after time, even in volatile environments and be easy to use, even for the less experienced analysts. Our aim is on target, our goal has been reached, the ADC2 is ready.

However, our mission of relentlessly improving the TLC process continues. In that effort we solicit input from you about your experiences and expectation with the NEW ADC2 as well as other CAMAG instrumentation to [radar@camag.com](mailto:radar@camag.com).

## News & Events

**CBS 94**, In this issue of the CAMAG Bibliography Service:

- Bio monitoring of toxic substances in drinking water
- Immunostaining of gangliosides with specific antibodies
- HPTLC-MS coupling
- DigiStore 2:  
Documentation with 12bit CCD Camera
- Presentation of the new Automatic Developing Chamber ADC 2

### ILMAC 2005

24–27 May 2005 Basel/Switzerland  
Venue: Messe Basel, hall 1.1/booth E52.  
Presentation of new products DigiStore 2 and ADC 2 [www.camag.com/ilmac](http://www.camag.com/ilmac)

### Courses

Modern Thin-Layer Chromatography, method development & basics.  
9–12 May 2005, CAMAG Muttenz  
[www.camag.com/services](http://www.camag.com/services)

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Flash

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## Reproducibility, Safety and Convenience for the HPTLC developing process

CAMAG introduces the new fully Automatic Developing Chamber (ADC2) which will produce the same great TLC separations day after day regardless of climatic conditions or operator skills.

The new ADC2 is universally applicable and gives results of unsurpassed reproducibility. It is designed to automate all manual operations necessary during TLC development. It is one of the strengths of the ADC 2, that it utilizes the CAMAG 20x10 cm Twin Trough Chamber. Thereby, analytical proce-

dures based on such chambers can be employed without any change.

The complete TLC development process in the ADC 2 is automated:

- 1 Prior to chromatography the activity of the layer can be adjusted to a selected level by means of the option "Humidity Control".
- 2 Chamber saturation is established at the same time.
- 3 The plate can then be lowered into the chamber without making contact with the developing solvent, effecting a time controlled pre-conditioning of the layer with the vapor phase of the developing solvent.
- 4 Chromatography is started by lowering the plate into the solvent.
- 5 During chromatography the position of the solvent front is monitored.
- 6 As soon as the solvent front has reached a pre-defined position (developing distance), the plate is removed from the solvent and rapidly dried under air flow-optimized conditions.
- 7 When operated with winCATS all chromatographic parameters are recorded in compliance with GMP/GLP as part of the analysis and can be printed at any time.

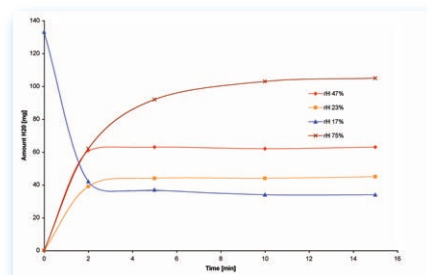
**The opening of the chamber during manual development as well as all other human and environmental influence factors have been eliminated in the ADC2.**



## Option Humidity Control for ADC2

Chromatographic separation on silica gel can be affected by stationary phase activity, which in turn is dependent on relative humidity in the laboratory. Relative humidity varies tremendously around the world by season and by region, causing differences in the TLC results.

With the option "Humidity Control" the activity of the stationary phase is adjusted with air of defined humidity. This facilitates the possibility to standardize all developments either to a fixed relative humidity or to select a specific humidity for a specific task.



▲ The desired humidity is set in only a few minutes

More information about the new ADC2 is available at [www.camag.com/adc2](http://www.camag.com/adc2)

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