



CAMAG Course
17 – 18 October 2012

HPTLC FOR QUALITY CONTROL OF BOTANICALS

CAMAG

WORLD LEADER IN PLANAR
CHROMATOGRAPHY

OVERVIEW



Objective

The participants are informed about the possible applications and special features of HPTLC and are able to use this technique for qualitative analysis of botanicals. They can optimize and validate methods of identification.

Participants

University graduates, laboratory technicians/assistants.

Prerequisite

CAMAG course: Modern Thin-Layer Chromatography (HPTLC) or a basic understanding of TLC.

Course content

The course is subdivided into theoretical lectures, practical exercises, and discussions:

- possible application of HPTLC for the analysis of medical plants/botanicals
- Advantages and limitations of fingerprint analysis by modern thin-layer chromatography (HPTLC)
- Optimization of methods from literature
- Application of digital imaging technology for documentation and evaluation of chromatograms
- Stability tests of botanicals by HPTLC
- Validation of qualitative methods experiments
- Standardized methodology of HPTLC
- Sample preparation and selection of method
- Method optimization
- Validation of qualitative methods

Speakers

Dr. Eike Reich

studied Chemistry in Berlin. For 9 years he was Professor of Chemistry at Longwood College, Farmville, VA, USA. He is head of CAMAG Laboratory since 1998 and Visiting Professor at Shanghai University of TCM.

Dr. Anita Ankli

studied Pharmacy at ETH Zürich. During 6 years she was head of pharmaproduction and production of plant medicines. She works as scientist at the CAMAG Laboratory.

Daniel Handloser

Laboratory assistant. He is senior application specialist at CAMAG Laboratory.

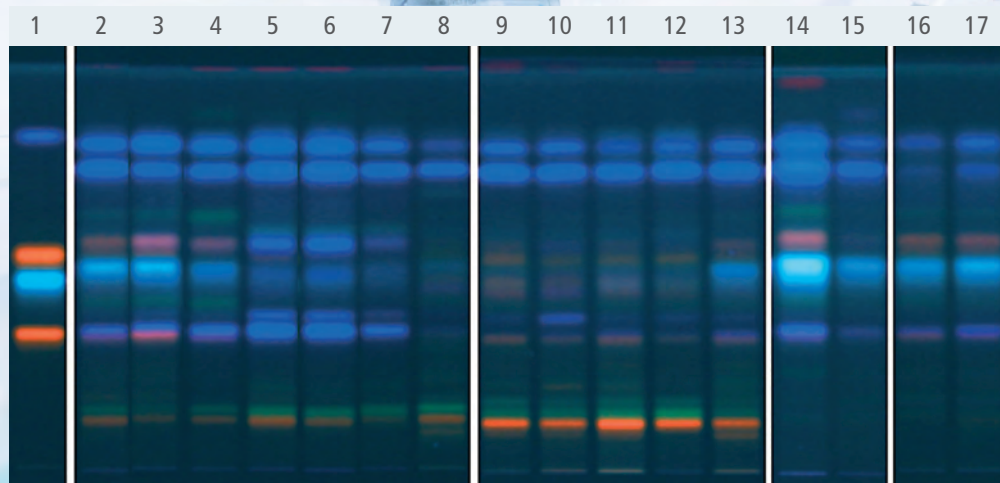
Valeria Widmer

studied Pharmacy in Basel. She works as information manager at CAMAG Laboratory.

Eli Ceniviva

Laboratory technician. He is application specialist at CAMAG Laboratory.

INFO



Sample application as bands

HPTLC fingerprint (flavonoids) of green tea samples representing different geographic origins.

Track assignment

- 1 reference substances with increasing R_f : rutin, chlorogenic acid, hyperoside, gallic acid
- 2–8 samples from China
- 9–13 samples from Japan
- 14–15 samples from India

For comparison:

- 16–17 black tea from Sri-Lanka

Note

For comparison tracks are taken from different plates.

Date

17–18 October 2012

Duration

Two-day intensive course

Costs and registration

- The fee for the 2 days course is CHF 1400.–; lunches and beverages are included.
- The fee for combination of the courses "Modern Thin-Layer Chromatography" (see individual program) and "HPTLC for Quality Control of Botanicals" is CHF 2500.– (=4 days).
- The number of participants is limited to eight.
- Participation will be allocated and confirmed in order of receipt of registration.
- CAMAG reserves the right to cancel the course at this occasion, if less than 4 persons are registered.
- Customer cancellations or change of booking: 50% will be charged within 4 weeks before the course starts; in the last week, 100% will be charged. No extra charges are due, if a substitute participant is named.

Travel costs, hotel and evening meals are not included and have to be settled directly by the course participant. CAMAG can assist with hotel reservations.

Location

CAMAG Laboratory, Sonnenmattstrasse 11,
CH-4132 Muttenz (near Basel), Switzerland

Other dates / information

The actual dates can be found online at www.camag.com/courses. On specific topics and for software and equipment training, we can offer you individual courses.

COURSE REGISTRATION

HPTLC for Quality Control of Botanicals

Courses

Register for the single course:

- 17–18 October 2012 "HPTLC for Quality Control of Botanicals"

Register for the combined course:

- 15–16 October 2012 "Modern Thin-Layer Chromatography (HPTLC)" and
17–18 October 2012 "HPTLC for Quality Control of Botanicals"

Further information

- Please send details about individual courses (max. 4 participants).
 Please book a hotel room for _____ nights
Arrival date: _____ Departure date: _____

Participant information

First name: _____ Family name: _____

Title: _____ Company: _____

Street: _____ ZIP: _____

City: _____ Country: _____

Phone direct: _____ Phone switchboard: _____

Fax: _____ e-Mail: _____

Signature: _____

Register:

by fax
+41 61 461 07 02

by mail
CAMAG, Sonnenmattstr. 11
CH-4132 Muttenz 1

electronically
www.camag.com

CAMAG (Switzerland)
Sonnenmattstrasse 11
CH-4132 Muttenz 1
Tel. +41 61 467 34 34
Fax +41 61 461 07 02
E-Mail info@camag.com

CAMAG (Germany)
Bismarckstrasse 27–29
D-12169 Berlin
Tel. +49 30 516 555 0
Fax +49 30 795 70 73
E-Mail info@camag-berlin.de

CAMAG Scientific (USA)
515 Cornelius Harnett Drive
Wilmington, NC 28401
Phone (800) 334 3909
Fax (910) 343 1834
E-Mail tlc@camagusa.com

www.camag.com



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