



Tosoh Academy Education & Training

We know the importance of well-trained personnel for lab efficiency and productivity. At Tosoh, we're dedicated to providing you with flexible, comprehensive, and cost-effective training options.

Find the education style that best suits your training needs, when and where you need it:

- Classroom training provides hands-on learning for the most immersive experience. Enjoy talks and practical hands-on experiments under the guidance of qualified tutors.
- Virtual instructor-led training gives you the benefits of live, in-person training without the need to travel.
- Tosoh Tuesday Webinars provide insights into current topics of liquid chromatography in laboratory and manufacturing. Check out the upcoming webinars at: bit.ly/TosohTuesday

Why Tosoh Trainings?

- Training history since 1997
- Become part of the network of over 2000 technicians and scientists trained in our Chromatography Workshops
- 99% of students recommend training courses at Tosoh to colleagues with an average satisfaction rate of > 90%*

* course evaluation of training attendees 2009-2019



Courses and Trainings 2023

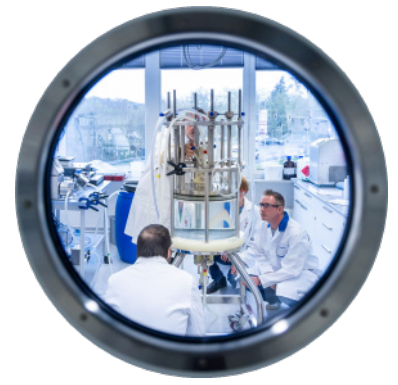
Classroom Training

- **Chromatographie in Verfahrensentwicklung und Produktion**, Deutsch, Tosoh Schulungszentrum Griesheim
4.-5.7.2023 Register here: bit.ly/ChromWorkshop
- **Kontinuierliche Chromatographie: Durchführung – Implementierung – Aussichten**, Deutsch, Tosoh Schulungszentrum:
6.7.2023 Register here: bit.ly/ChromWorkshop
- **Chromatography in Process Development & Production**, English, Tosoh Training Center
18.-19.7.2023 Register here: bit.ly/ChromWorkshop
- **Continuous Chromatography: Operation – Implementation – Outlook** English, Tosoh Training Center
20.7.2023 Register here: bit.ly/ChromWorkshop
- **Polymer Analysis**
GPC Separation and Detection: Theory & Practice English, Tosoh Training Center Q4 2023 inquire at sales-marketing.tbh@tosoh.com
- **In-house training**: on request sales-marketing.tbh@tosoh.com

Tailor made Virtual Trainings – on request
sales-marketing.tbh@tosoh.com

Chromatography in Process Development & Production Two-Day Training Course Program

July 18.-19. 2023



Tuesday
18.07.2023

Theory / Practical Training

Start 9 a.m.

Welcome - Introduction - Expectations

Introduction to basic chromatography modes

Column Packing - Basics

Lunch

Column Packing – Troubleshooting

Practise Part I

Training in rotating groups

1. Pack & qualify a 1 cm ID lab scale column
2. Pack & qualify a 40 cm ID process scale column
3. Determine binding capacities
4. Scale-up of a chromatography step

Outing & Dinner

Practise Part II

Experiments 1.-4. continued

Lunch

Strategies in chromatographic method development

Case studies process development

Summary & Discussion

End 4:30 p.m.

Wednesday
19.07.2022

#ChromatographyExperts

Continuous Chromatography: Operation - Implementation - Outlook One-day Training Course Program

July 20. 2023



Thursday
20.07.2023

Talks / Practical Training

Start 9 a.m.

Welcome - Introduction - Expectations

Theory I:

From batch to continuous

Implementation of multi-column chromatography (MCC)

Pratise Part I:

Process transfer – batch zu MCC

Method writing in MCC

Purification of monoclonal antibodies via MCC

Lunch

Practise Part II:

Analysis of the MCC experiment

Data evaluation

Theory II:

Method optimization

Economic modelling

Potential and trends of continuous methods

Summary & Discussion

Ende 5:00 p.m.

#ChromatographyExperts