

Detection methods for LC and SFC at the Chromicent

Dear customers and friends of Chromicent -

we, the Chromicent, are the special laboratory for chromatographic methods in the pharmaceutical field, and offer you a comprehensive spectrum of detection types for LC and SFC.

Our detection methods at an overview:

- Photo diode array UV detection (PDA)
- Fluorescence detection (FLD)
- Refractive index detection (RID)
- Evaporative light scattering detection (ELSD)
- Single-Mass detection (QDa)
- Tandem-Mass detection (TQD) with ESI- and APCI ion source
- Charged-Aerosol detection (CAD)
- Electrochemical detection (ECD)
- Conductivity detection
- Chemiluminescence nitrogen detection (CLND)

New at the Chromicent:

3465 Electrochemical Detector

In response to increased demand from our customers for the detection of impurities in antibiotics – and in view of the European Pharmacopoeia – Chromicent now has the **brand new Waters 3465 electrochemical detector** available.



TQ Detector

Our mass detector TQD is now also equipped with an APCI ion source. The easy and fast possibility to switch ion sources between ESI and APCI gives us a wide range of options to characterize our **analytes from nonpolar to very polar compounds in positive and negative mode simultaneously.**



Corona Veo Detector

The third upgrade of our detection capabilities is the implementation of a Corona Veo Charged-Aerosol Detector (CAD) on our existing Acquity UPLC Hclass system. Possible applications are for example the detection of impurities in fosfomycin.



New possibilities for nitrosamine determination:

Since 2018, regulatory authorities worldwide became aware for the first time of contamination with nitrosamines in some pharmaceuticals. As a result of stricter guidelines, Chromicent GmbH developed and validated an SFC-MS/MS-based analytical method for its customers to detect 16 different nitrosamines.

This selective and sensitive analytical method has now been extended by an LC-MS/MS based analytical method using the new APCI ion source.

If you are interested in analyzing your products quickly and reliably for nitrosamines, [just contact us](#).

Stability Testing

Stability tests according to ICH Q1A are an established part of Chromicent's service portfolio. In April, we adapted and expanded the existing range of services to closely meet the wishes of our customers:

- A fifth climatic chamber has been installed. This enables us to offer coverage for stability tests in four temperature zones: **25°C/60% (two chambers) + 30°C/65% + 30°C/75% + 40°C/75%** (one chamber each)
- Of course, our climate chambers are fully qualified, including mapping and monitoring for temperature and humidity, and are also connected to a 24/7 alarm system.
- For photostability tests according to ICH Q1B we have the perfect equipment with the Atlas Suntester.

Interested? [Contact us, we will be pleased to advise you.](#)



Event

Our annual Lifecycle Management of Analytical Methods in cooperation with Concept Heidelberg will take place this year on

19/20 October 2021 as a remote event.



Life Cycle Management analytischer Methoden

Pharmazeutische Analytik in Entwicklung, Produktion und Freigabe

 Live Online Seminar am 19./20. Oktober 2021

You will find comprehensive
information

[*here*](#)