

# dtoLABS services

## Analytical Excellence Center

dtoLABS is a valuable resource for laboratories, to discuss and find solutions to the challenges of modern analytical chemistry; the right place to evaluate the newest instruments using real samples and receive application consultancies updated with current European regulations.

### dtoLABS main activities are:

- ▶ Solution center and advanced analytical method development center
- ▶ Demo center Agilent Technologies
- ▶ Instrumental partner of research laboratories
- ▶ European training center for customers, specialists, Agilent Technologies engineers
- ▶ Beta Tester for instrumentation and consumables
- ▶ Shared experience center for the environmental, food, toxicology and pharma areas

Using its own resources, dtoLABS offers its customers a broad portfolio of services tailored to specific requirements

### Our service portfolio covers 5 areas:

- ▶ Training courses (courses, seminars, etc.), individual courses as well at our facility or at customer site
- ▶ Instrument demo and testing with customer samples
- ▶ On-demand analytical method development
- ▶ Sample testing
- ▶ Instrument rental with specialists at our facility



# Laboratory and people

dtoLABS specialists as well as ones from Agilent Technologies with expertise in environmental, food, toxicology and pharmaceutical areas.

## Security protocol:

- ▶ Independent servers equipped with safety procedures regarding documents and archives.
- ▶ Independent management of admission to the laboratory and surveillance system with video recording

## Complete management of travel and hotel stay of the customer

**Training room (250 sqm), with 80 seats equipped with video projection and wi-fi connection with the instruments' softwares**

## Computer workstations for software education courses

### Preanalytical Laboratory (100 sqm)

### Instrumental Laboratory, (150 sqm), equipped with

- ▶ UHPLC Agilent 1290 with standard detectors
- ▶ UHPLC/MSMS triple quadrupole Agilent 1290/6490 (Ion Funnel Technology)
- ▶ UHPLC/MSMS QTOF Agilent 1290/6550
- ▶ GC Agilent 7890B
- ▶ GC/MS (EI/CI) Agilent 5977
- ▶ GC/MSMS (EI/CI) triple quadrupole Agilent 7000
- ▶ ICP/OES Agilent 720
- ▶ Agilent Workbench 7696
- ▶ ICP/MS Agilent 7700

## TRAINING COURSES

At its training center, dtoLABS organizes courses held in two different ways:

- ▶ group courses (up to a maximum of 8 people)
- ▶ individual courses (up to a maximum of 3 people)

Group courses have an annual scheduling, and they're carried out at dtoLABS' auditorium and laboratory according to technical requirements.

## LIST OF COURSES

- ▶ Gaschromatography base course with practical tests on the instrument (1 day)
- ▶ HPLC base course with practical tests on the instrument (1 day)
- ▶ GCMS base course with practical tests on the instrument (2 days)
- ▶ Theoretical and practical course for VOC analysis according to EPA Method 8260 (2 days)
- ▶ ICPMS theoretical and practical course with tests on the instrument (2 days)
- ▶ ICPOES theoretical and practical course with tests on the instrument (2 days)
- ▶ Mass Hunter software course with laboratory exercises (2 days)
- ▶ GC course with practical tests on the instrument (2 days)

Individual courses are held on request (at dtoLABS or at customer's site), and follow a program tailored to customer needs.

All courses include teaching materials, certificate of participation, hotel stay and lunch.

- ▶ GCMS course with practical tests on the instrument (2 days)
- ▶ HPLC course with practical tests on the instrument (2 days)
- ▶ Troubleshooting and maintenance course for GC with exercises on instrument (1/2 day)
- ▶ Troubleshooting and maintenance course for HPLC with exercises on instrument (1 day)
- ▶ Troubleshooting and maintenance course for GCMS with exercises on instrument (1 day)
- ▶ Set up and optimization of a GCQQQ method: the example of pesticides in wine (2 days)
- ▶ Set up and optimization of an LCQQQ method: the example of drugs, pesticides and hormones in water (2 days)

Resources  
available to  
our customers





## Instrumental test

The instrumentation test is the service provided by dtoLABS to try the latest Agilent Technologies instruments through the analysis of real samples provided by customers.

The service must be requested at Agilent Technologies representative.

## Analytical methods development

The analytical method development service is intended to support chemical laboratories facing niche or innovative requests. The Agilent Technologies network of partner labs and dtoLABS are able to effectively perform this service assuring speed, technical and regulatory expertise as well as low costs. On the basis of individual needs, dtoLABS can provide feasibility studies, assessments of the best instrumental analytical technique or complete turnkey methods.

## Sample characterization

The sample characterization service is addressed to companies – pharmaceuticals, chemicals, testing laboratories, food industry - which need to perform atypical characterizations, for which they miss the required instruments or analytical method. Rather than facing a costly investment in equipment or a new analytical development, they can take advantage of the sample characterization service of dtoLABS with the most advanced equipments and the best know-how.

## Instrument rental

The rental of the equipment by dtoLABS is dedicated to customers who - missing a suitable analytical instrumentation – need analysis for an experimental project and want to follow the development step by step.

dtoLABS provides its own structure, equipments and staff with specific instrumental skills until the completion of the project

### dtoLABS

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