



At epiZell we are experts in qualitative and quantitative applications of mass spectrometry, and we have a solid background in biochemistry, analytical chemistry and organic chemistry including synthetic methods and reaction mechanisms.

We have worked with structure elucidation of natural products, peptide sequencing, trace analysis, pharmaco-kinetics, polymer analysis, identification of by-products from syntheses and more. We have experience with analytical procedures employing most of the commonly available mass spectrometric methods and instruments, including their associated chromatographic techniques.

Our range of services:

Mass spectrometry service:

This includes molecular weight determination, exact mass measurement and MS-MS experiments with collisional activation. We can work with pure samples in MALDI or ESI with loop-injection or with LC-MS equipment in the case of mixtures.

Structure elucidation:

Among the potential applications are natural products, metabolites, by-products etc. Our mass spectrometric expertise and general spectroscopic experience together with our solid foundation in organic chemistry and biochemistry are the important elements of what we can offer in this area.

Method development and validation (LC-MS and LC-MS/MS):

We have extensive experience with bioanalysis in both pre-clinical and clinical studies as well as in general trace analysis. With short response times, we can assist with method development either on the customer's site or in our own laboratory. We can also help with method validation.

Electrocapture:

Electrocapture can be used in connection with pre-concentration, desalting, H/D-exchange. Electrocapture is a new technique and we have an active collaboration with Biomotif which are the inventors of this technique.

Consultancy:

We offer consultancy not only in connection with our services as required but also for customers who generally wish to draw on our expertise and experience. We are ready to provide both expertise and instrument time on a customer-client basis or as participant in collaborative projects.