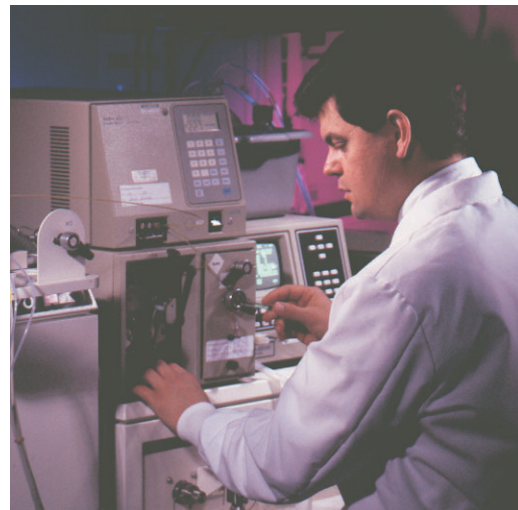


Mass Spectrometry Capabilities and Services



Capabilities:

Liquid Chromatography/Mass Spectrometry (LC/MS and LC/MS/MS)

Identification or quantitation of drugs/metabolites in biological fluids and tissues and impurities in drugs and other chemicals. Electrospray ionization is also well suited for the molecular weight confirmation and structural determination of proteins.

Ionization methods:

- Atmospheric Pressure Chemical Ionization (APCI)
- Electrospray Ionization

Gas Chromatography/Mass Spectrometry (GC/MS and GC/MS/MS)

Applicable to a variety of analytical problems requiring a high degree of analyte sensitivity and specificity.

Direct Exposure Probe/Mass Spectrometry (DEP/MS)

Most often used to confirm the molecular weight of chemicals.

Services:

Analysis of Biological Specimens from Pharmacokinetic Studies

Analytical method development, assay validation and analysis of biological specimens derived from pre-clinical and Phase I through Phase IV clinical trials.

Metabolite, Impurity or Degradant Identification and Screening

Analysis of samples by liquid or gas chromatography and mass spectrometry to evaluate or confirm the metabolic fate of a drug or the presence of product/process impurities, including leachables and extractables.

Molecular Formula Confirmation and Purity

Molecular weight determination on synthetic and biotechnology-derived compounds using direct exposure probe or electrospray ionization mass spectrometry. This technology can be combined with elemental microanalysis to determine the percent content of carbon, hydrogen, nitrogen and other elements in the sample.

At your request, the services listed above may be performed in compliance with Good Manufacturing Practice (GMP) Regulations or Good Laboratory Practice (GLP) Regulations, as appropriate.

For further information and a price quotation, please contact Ms. Laura Newkirk.



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