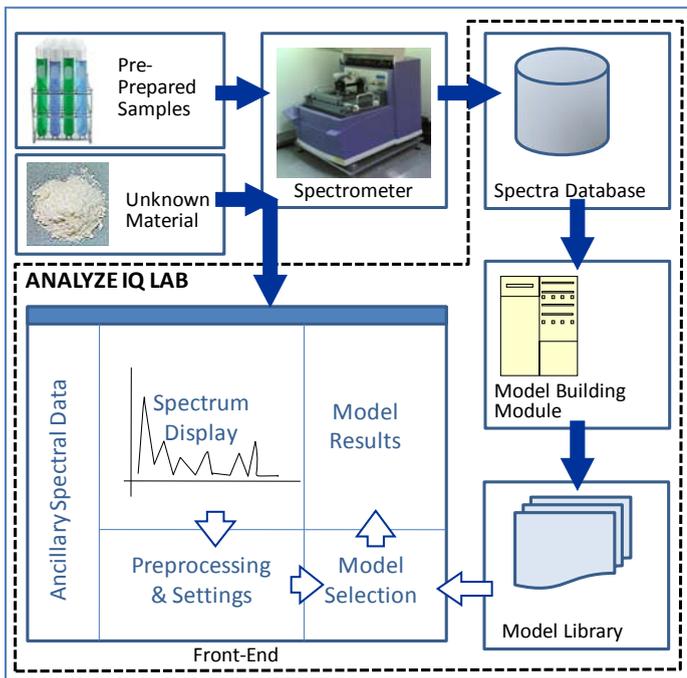


Technology Overview

We provide the world's most advanced software and services that enable commercial labs, academic researchers, and integrated service providers to rapidly and accurately analyze chemicals. Our products and services are used in Pharmaceutical, Healthcare, Petrochemical, Law Enforcement, Academic and other organizations.



Our technology is used to analyze **all forms of spectral data** used to characterize materials, such as:

- ◆ Infra-Red (IR) & Near IR (NIR)
- ◆ Fourier transform IR (FT-IR)
- ◆ Raman
- ◆ X-Ray Fluorescence (XRF)
- ◆ Mass Spectrometry
- ◆ LIBS
- ◆ Surface Enhanced Raman(SERS)

In practical applications, mixtures of materials result in peaks in spectra that may mask or overlap each other, and there may be non-linear relationships between spectrum responses and questions of interest.

Analyze IQ® has a new **model-centred paradigm** for spectral data analysis:

- ◆ Prepare and store a range of materials of known composition
- ◆ Select from a wide range of chemometric analysis methods, to construct analytical models that compactly summarize all of the spectral data
- ◆ Unknown materials can be analyzed instantaneously and accurately using these analytical models that have been tuned to answer specific questions.

Benefits of our unique model-centered paradigm:

- ◆ It separates model-building from model usage
- ◆ You can 'package and deploy' expert chemometric knowledge encapsulated in models

Analyze IQ models encode all preprocessing and analysis information in them, which eliminates risk in performing analyses with them or in transferring models from the lab to production use.

