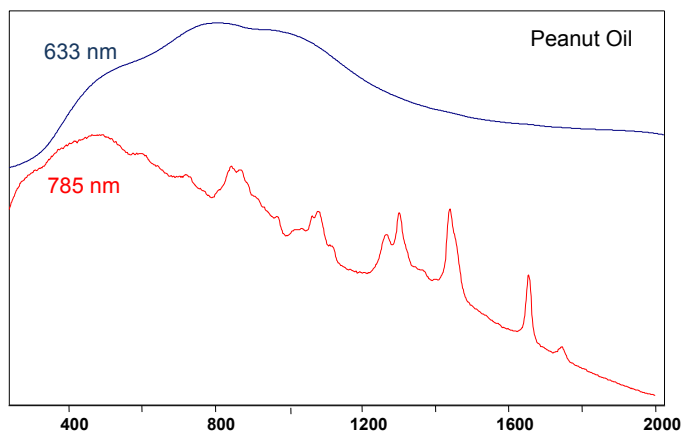# DeltaNu Advantage 785 NIR Laser System

The Advantage 785 is our most popular NIR system. Fluorescence usually stems from minor impurities that absorb the laser excitation and emit at the same wavelengths as Raman scattering. This system greatly reduces or eliminates competing fluorescence found in samples using visible excitation. The Advantage 785 comes with a library of over 1200 materials. (808 nm available)

Appplications:

- Pharmaceutical material analysis and verification, cGMP
- Surface Science/Monolayer Analysis/SERS
- Medical Cell Tissue and Assay Research
- Polymer Composition and Structure
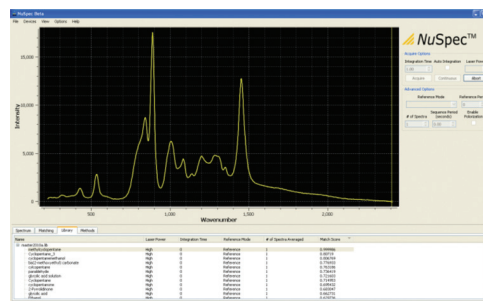- Unknown Material ID

SPECIFICATIONS

Laser Power * Power Adjustable	120 mW*
Resolution Across Range	3-5 cm^{-1}
Spectral Range	200-2000 cm^{-1} 100-2000 cm^{-1} option
Fiber Optic Options	**Available**

633 nm
785 nm
Peanut Oil

STANDARD ACCESSORIES

NuSpec™ open architecture software

Data collection made simple with the intuitive graphical interface and multiple file format options for data archiving (spc, dnu, ascii).

- Integrated library builder and correlation matching
- Kinetic studies, laser power adjustments, polarization options (633 nm only)
- Grams AI spectroscopy software for advanced processing included as standard. Academic users receive full versions Grams AI.
- Mixture matching

NuSpec software with library builder

Other Standard Accessories

- Liquid Vial Holder (right)
- NMR Tube Adapter
- Melting Point Tube Adapter
- Safety Glasses