

Looking for something NEW to teach?
Need textbook results fast?



Add Raman to your lab!



Easy to use...

"The DeltaNu Advantage 633 has proven to be an extremely useful tool for qualitative analysis in my instructional and research laboratories. We have used it to identify both inorganic salts and organic compounds. Students readily learn how to operate the instrument and several samples can be analyzed in a short time period. The online laboratory procedures that DeltaNu provides are a very helpful resource and have assisted the incorporation of Raman spectroscopy into our program. I am very pleased with the performance of the Advantage 633 and continually look to further its role in our laboratories.

– Richard Martoglio
DePauw University

Advantage 633™ Raman System

Delta Nu announces the Advantage 633 Raman system. It's perfect for academic settings and comes complete with:

- compact, sensitive and versatile Raman spectrometer
- computer with flat panel LCD monitor
- easy to use software
- complete package of accessories

and best of all ... prepared labs!

Easily demonstrate topics in analytical, physical, inorganic and organic chemistry. Choose from pre-tested experiments, each with instructor and student versions. Examples include:

- group theory and vibrational spectroscopy
- periodic trends using Raman spectroscopy
- adsorption isotherms using SERS
- instrumental analysis: ethanol & water

Real-Time Raman...

The determination of a molecule's structure is a routine task of the organic chemist. Typically, infrared, NMR or Raman are used to determine the functional groups of a compound. Because Raman spectra can be obtained through reaction flasks or test tubes, it is also used to track the progress of a reaction. DeltaNu's lightweight and compact Raman spectrometers are ideal for monitoring reactions in the organic chemistry lab.

The Inspector Raman™ has the flexibility to work in a variety of configurations on the lab bench so that students can monitor organic reactions in real-time. This teaches students the fundamentals of functional group modification during a reaction.

Applications Series: #16 – Organic Reaction Monitoring



Formation of an imidazole followed by the Inspector Raman™

