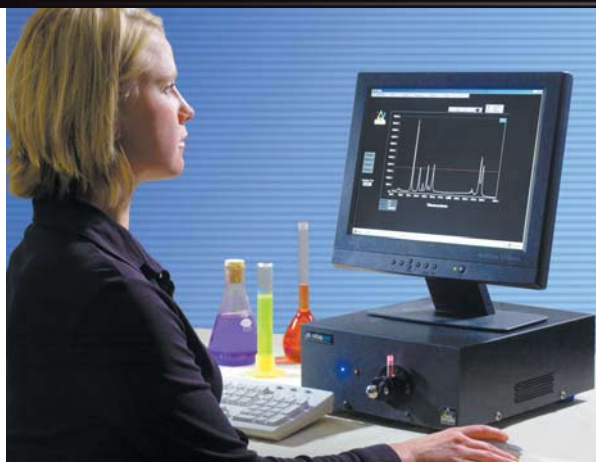


Looking for something NEW to teach?
Need textbook results fast?



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

Complex Equilibrium...

The Advantage 633 provides a simple answer to complex mixtures. A tough concept for students is complex equilibria. What is the composition of a solution of sodium bisulfate? Most would say sodium ions and bisulfate ions. As a teacher, on the chalk board, you can show why some sulfate is present. As an owner of the Advantage 200A you can prove to them that both sulfate and bisulfate are in the solution. Change the pH and you can watch the equilibria of species go back and forth. Try this with your UV-Vis or infrared spectrometer!!!

Applications Series: #8 – Species in Solution

