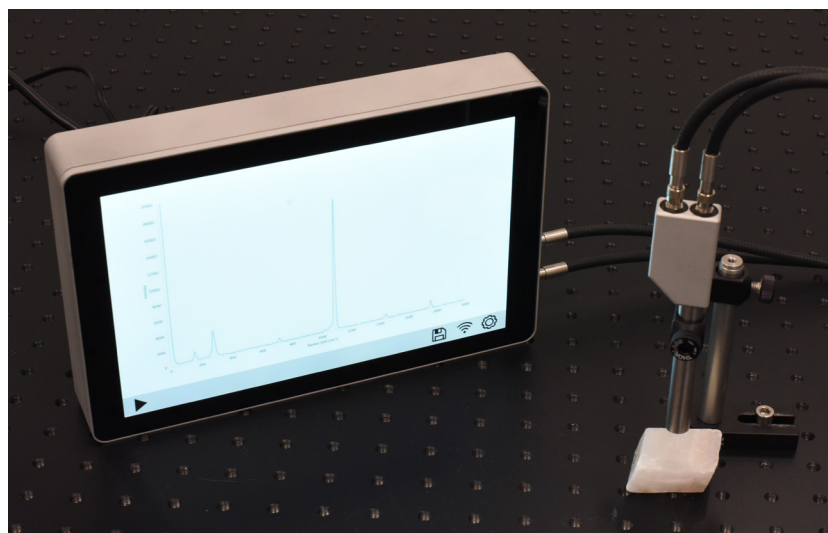




uvPro[®] Deep Ultraviolet Raman System

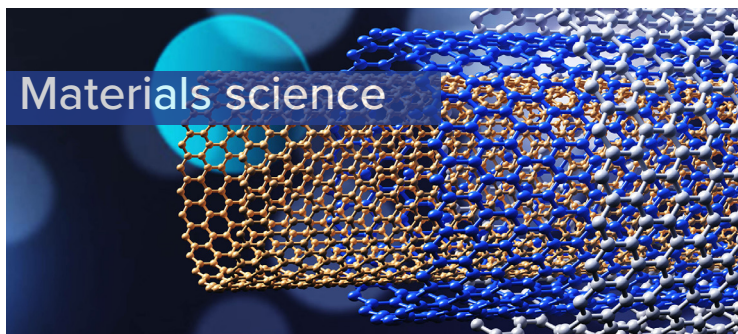
The uvPro is the first truly portable deep ultraviolet Raman spectroscopy system. It features an integrated 261 nm laser source and high performance spectrometer with 8 cm⁻¹ resolution. UV excitation provides greatly enhanced sensitivity resulting in a measurement speed up to 100x faster than traditional NIR Raman.



Medical diagnostics



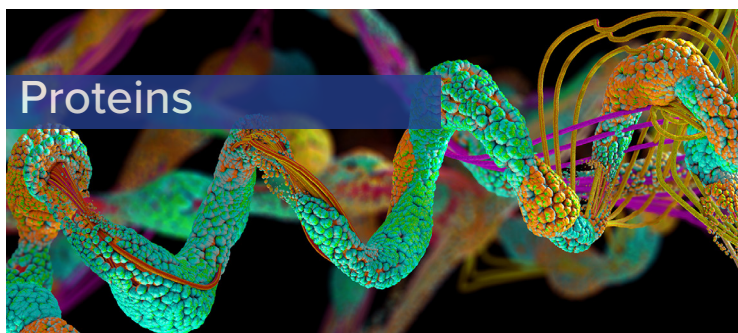
Materials science



Pharmaceuticals



Proteins

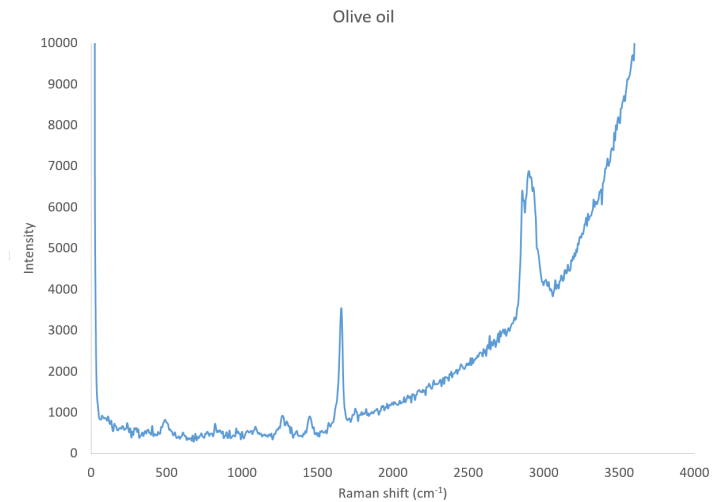
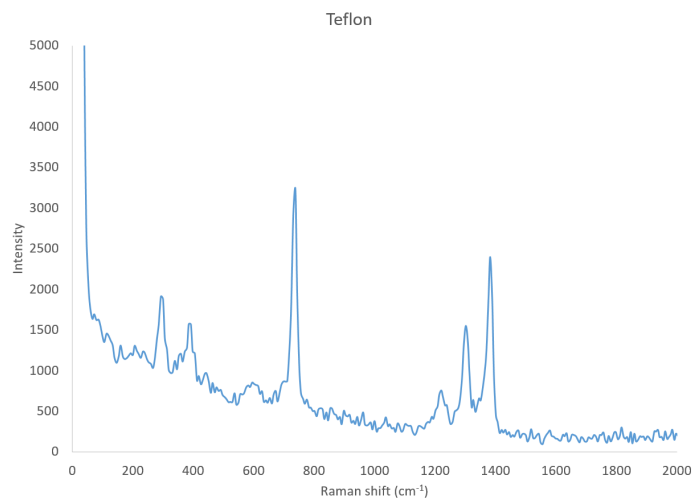
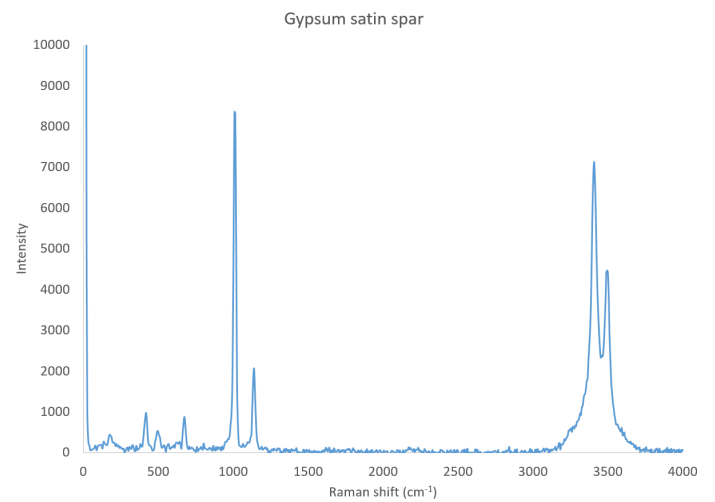
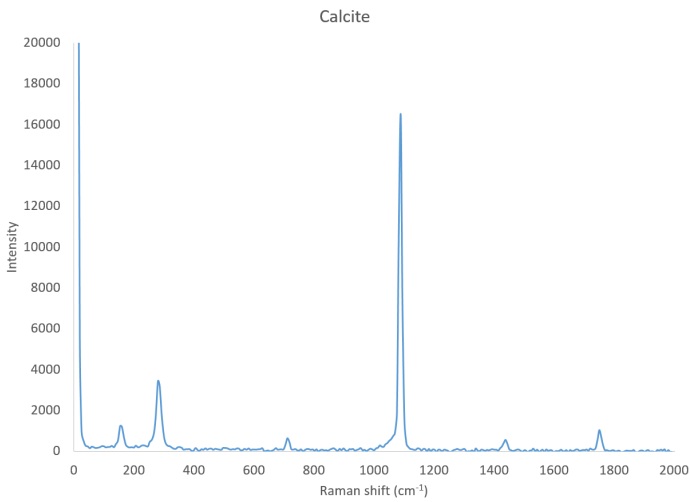
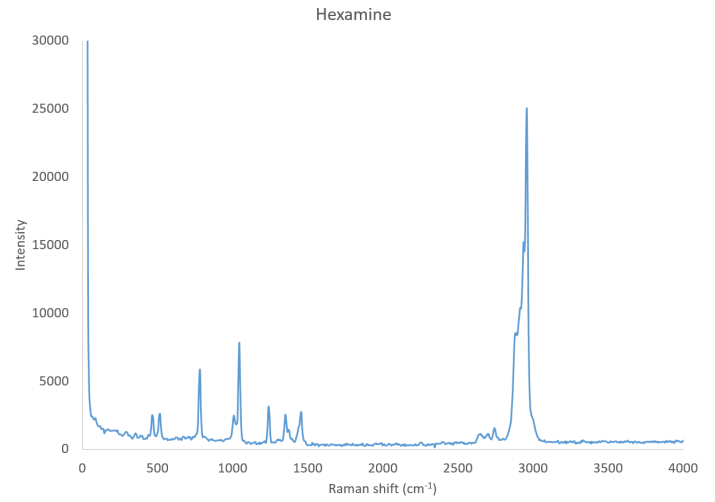
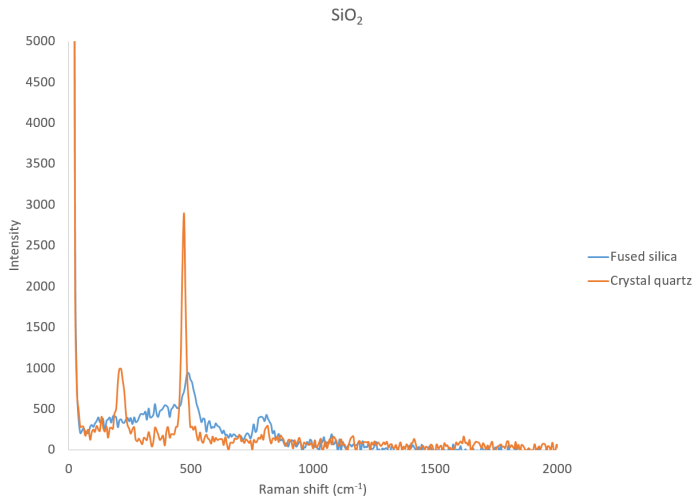


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Example spectra

200 millisecond acquisition time



uvPro[®] Specifications

Optical	
Laser	261.4 nm solid state
Laser power	> 10 mW
Beam diameter	50 microns
Spectral range	100 - 4000 cm ⁻¹
Resolution*	8 cm ⁻¹ @ 280 nm
Detector	UV CMOS 4096 pixels
Integration time	1 ms to 30 s
User interface	
Touch screen	10.1" multi-touch
Remote	Optional ethernet and Wi-Fi
Storage	Internal SSD and external USB
Electrical	
DC power adapter	12 V DC @ 4 A
Battery	50 Wh, > 4 hours operation time
Mechanical	
Dimensions	26.5 x 16.5 x 4.5 cm
Weight	2.1 kg (4.6 lbs)

*Resolution measured using atomic emission lines. Raman resolution based on ASTM standard guide E2529-06.