

## Bio Raman Microscope



- Simultaneous obtained of all spectra and Image
- Spectroscopy & Microscopy
- Time Monitoring of spectra
- Integration time controlling using software
- Mathematical processing (Averaging, Sum, Smooth ... )

میکروسکوپ رامان بایو (اختصاصی بیولوژی)

Model: RamMic-Bio-Arn-25

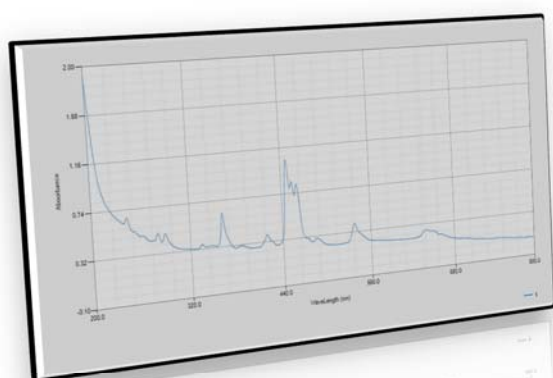
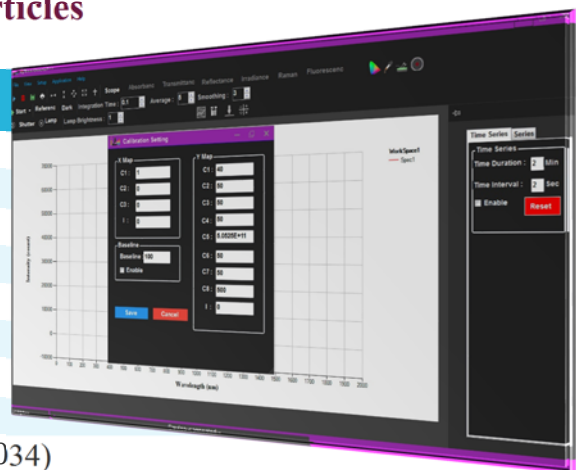
# Bio Raman Microscope

RamMic-Bio-Arn-25

## Specifications: Imaging & Selection of Bio particles

### Optical Specifications

|                            |                                                            |
|----------------------------|------------------------------------------------------------|
| Wavelength Range           | 150-4500 $\text{cm}^{-1}$                                  |
| Resolution                 | < +20.0 $\text{cm}^{-1}$                                   |
| Scan Time                  | 2-1000 ms                                                  |
| Typical Scan Time          | 0.1 s                                                      |
| Stray Light                | < 0.03 %                                                   |
| Wavelength Accuracy        | < $\pm 0.1$ nm                                             |
| Photometric Stability      | < 0.01 A/min at 0 A , 500 nm                               |
| Photometric Noise          | < 0.01 A 80 scan at 0 A, 500 nm                            |
| Wavelength Reproducibility | < $\pm 0.02$ nm for 10 scans (NIST 2034)                   |
| Photometric Accuracy       | < $\pm 0.01$ A at 440.0 465.0 590.0 635.0 nm (NIST 930e)   |
| Baseline Flatness          | < 0.01 A 0.5 second blank, 0.5 second scan at 0 A , 500 nm |
| Light Source               | Laser 532 nm 150 mW                                        |
| Laser Stability            | < 1 % rms over 4 hours                                     |
| Laser Lifetime             | 10000 Hours                                                |
| Detector                   | 2000 Multichannel                                          |



### Physical Specifications

|               |                      |
|---------------|----------------------|
| Communication | USB2                 |
| Windows       | 7 , 8 , 10           |
| Software      | Spectroscopy Station |
| Weight        | 24 Kg                |
| HxWxD         | 26x33x50 cm          |
| Power         | 220V AC 50/60 Hz     |

## Applications:

