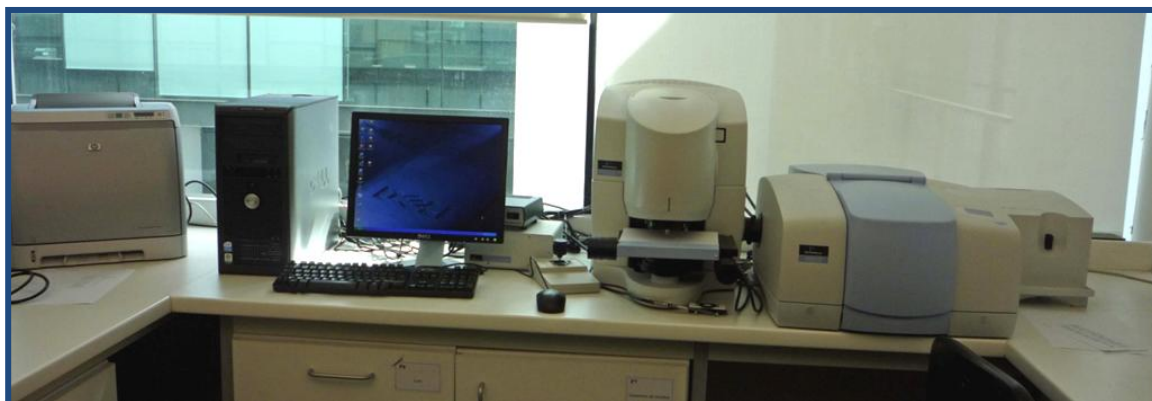


PERKIN-ELMER SPOTLIGHT 300 FT-IR MICROSCOPE WITH SPECTRUM 100 FT-IR SPECTROMETER



TECHNICAL DATA:

1. Spectrometer:

Takes FTIR spectra in the middle IR range in transmission, reflectance (specular or diffuse), and ATR modes.

- Works with polarized IR light.
- Has a separate detector with minimum wavelength range coverage: $7.500 - 500 \text{ cm}^{-1}$ at a resolution better than 0.5 cm^{-1} and signal-to-noise ratio $>24,000:1$ (peak-to-peak, 4 cm^{-1} resolution, accumulation time of 1 min).
- Is able to work independently from the microscope imager.

2. Microscope imager:

Works with an array detector operating in transmission and reflectance modes and single-point detector operating in transmission, reflectance and ATR modes.

- Wavelength range coverage in imaging mode: $7500-750 \text{ cm}^{-1}$ or wider with a resolution of 2 cm^{-1} ;
- Wide-range, continuous variation of the image size and aspect ratio without having to change detectors;
- Automatic and manual controls of: focus, illumination, switching between spectral modes, changing of apertures, etc.

3. Accessories

- Attachments for diffuse reflectance, for specular reflectance (ASR), and for total reflectance (ATR);
- Film holders;
- Demountable cell with sets of various windows: KBr, NaCl, CaF₂, KRS; Grid polarizer;
- Diamond cell for fibers.

4. Booking – rates and conditions

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