



## **IMAGE LABORATORY EQUIPMENT**

The Immunohistochemistry laboratory is equipped with a range of state-of-the-art equipment to develop the most demanding processing requirements including:

- Tissue processor providing efficient, reliable and timely processing of paraffin wax (Leica TPI020)
- Embedding unit for high quality paraffin blocking (Leica EG1160)
- Selecta Wax dispenser, paraffin wax dispenser with adjustable temperature from ambient to 100 °C
- 2 microtomes for specimen sectioning (Leica RM2255 and Shandon AS325)
- Leica EG 1150C Cold plate
- 2 thermostatic water baths (Leica HI 1210 and Selecta Thermofin)
- Automated Immunohistochemistry stainer (Autostainer Plus DAKO)
- 2 Cryostat for frozen sectioning ( Leica CM 3050S and Leica CMI950)
- PTLINK DAKO
- Crison pH meter
- Liebherr upright freezer (-20°C and 4°C)
- Shandon Cytospin 2
- Memmert BE 500 oven
- Selecta Agimatic-E magnetic stirrer with heating
- Pipettors
- Olympus CH microscope, for practical laboratory applications
- Gilson pipette sets
- EUROAIRE TDI FAG 180 laboratory fume hood

Equipped dissection and staining area with manual options for Do-It-Yourself staining and coverslipping

The Image Analyses laboratory equipment includes:

- Leica TCS SPE inverted confocal. Leica DMI4000B inverted microscope; Illumination source, Lasers diode 405, Lasers diode 488, Lasers diode 532 and Lasers diode 635; Dishes, Standard microscope slides
- Leica DMI6000B inverted microscope. Filter cubes: A4 (UV), L5 (green), N3 (red) and Y5 (far red)
- Olympus BX41 (Bright field) upright microscope with an attached Digital camera
- Zeiss Axioplan 2 upright microscope with five objectives from 5x to 100x, phase contrast and fluorescent capabilities
- Digital microscopy (photography with a Leica DFC 350 FXR2 digital camera attached)
- Image ProPlus 5.0 image analysis software
- Leica LAS AF image analysis software
- Analysis station with Huygens deconvolution software, Image J, LASAF Lite programme and related image analysis software