

DeltaVision[®] Elite –Live Cell Imaging System



GENERAL SPECIFICATIONS:

- Olympus IX71 Inverted Research Microscope Stand
- API White LED Transmitted Light Illuminator
- API DeltaVision Custom Trans-Illumination Pillar
- Trans-illumination Condenser with DIC Optics for 40X, 60X, and 100X Objectives
- API DeltaVision 50mm Flexure Motorized Stage
- Ultimate Focus System enabling stable focus during extended duration time-lapse imaging
- CoolSNAP HQ2 camera

MICROSCOPE OBJECTIVES:

- UPLSAPO 20XO Oil, 0.75NA, 0.17mm WD FL/DIC
- UPLFLN 40X Oil, 1.30NA, 0.20mm WD FL/DIC
- PLAPON 60X Oil, 1.42NA, 0.15mm WD FL/DIC
- UPLSAPO 60X Silicone, 1.30NA, 0.30mm WD FL/DIC
- UPLSAPO 100X Oil, 1.40NA, 0.13mm WD FL/DIC

ILLUMINATION :

- InsightSSI 7 Colour Combined Unit with Live Cell Speed Option

Facilitates standard (blue (e.g. DAPI) / green (e.g. FITC) / red (e.g. TRITC) / far red (e.g. CY5) and rapid dual-wavelength live-cell (CFP/YFP & GFP/mCherry) imaging.

ENVIRONMENT CONTROL:

- IMSOL incubator - Environment Control System

Large chamber system, ambient to 60°C ± 0.1°C heating, humidity & CO2 control

IMAGE ANALYSIS:

- Huygens Professional Remote Analysis Software Licence.

Deconvolution, productivity and analysis software. Features Batch Processing, Widefield, Visualization & Analysis tools