

DeltaVision Elite

- Olympus IX71 inverted microscope
- SoftWoRx acquisition software allowing widefield fluorescence and transmitted light imaging.
- Filter sets for imaging of DAPI/FITC/TRITC/CY5, CFP/YFP & GFP/mCherry.
- Motorized stage - enables multi-position image acquisition.
- CoolSNAP HQ2 camera (1392 x 1040 6.45micron pixels, 14 bit, 11fps full frame).
- Environmental control chamber (ImSol) allowing long-term temperature control and CO2 enrichment.
- Deconvolution.
- Cell tracking.

Lenses:

Lens	Dry/ Oil	Phase contrast	DIC	Working distance (microns)	NA	Pixel width at 1x binning in (microns)
10x	Dry	No	No	10000	0.3	0.645
60x (currently not available)	Oil	No	Yes	150	1.42	0.1075
100x	Oil	no	Yes	150	1.4	0.0645

Filter sets:

Standard (position 1)

Name	Excitation filter	Emission filter
DAPI	350/50	455/50
FITC	490/20	525/36
TRITC	555/25	605/52
CY5	645/30	705/72

Live cell (positions 2 and 3)

Name	Excitation filter	Emission filter
CFP	430/24	470/24
YFP	510/20	535/30
GFP	470/40	525/50
mCherry	572/35	632/60