

MetaSystem Slide Scanner

Objective Lens

Magnification / NA	Immersion media	Pixel Size	Notes
5x /0.16	Air	1.29 um/pixel	For Slide Scanning
10x /0.45	Air	0.645 um/pixel	For Slide Scanning
20x /0.8	Air	0.323 um/pixel	For Slide Scanning
20x /0.5	Air	0.323 um/pixel	For Slide Scanning
40x /0.75	Air	0.161 um/pixel	
63x /1.4	Oil	0.102 um/pixel	

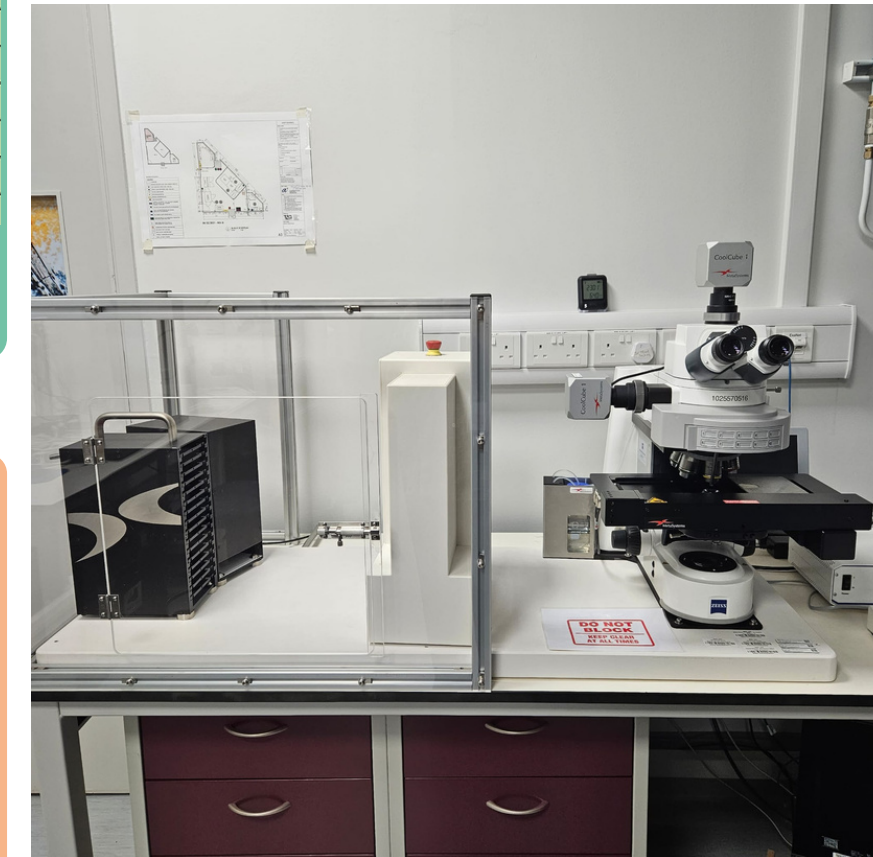
FL Filter Wheel

Channel	Excitation	Dichroic	Emission
49000 - ET - DAPI	325 – 375 nm	385 nm	435 - 485 nm
49303 - ET - Green#1 FISH (FITC)	483 – 508 nm	515 nm	523 – 552 nm
49306 - ET - Red#1 FISH (TxRED)	568 – 593 nm	600 nm	610 – 640 nm
49307 - ET - Far Red FISH (Cy5)	620 – 640 nm	647 nm	652 – 682 nm
49302 - ET - Aqua FISH (DEAC)	426 – 446 nm	455 nm	465 - 495 nm
49304 - ET - Gold FISH (SpO)	541 – 551 nm	556 nm	561 – 584 nm

Light sources

Transmitted / brightfield	SSCOPE LED TL
Widefield fluorescence	Lumen Dynamics XCite 200DC

Cameras	Brightfield/Widefield	CoolCube 1
Microscope body	Zeiss AxioImager Z.2	
Stage	MetaSystem	
Software	Metafer4 VSlide MetaClient MetaServer	
Classifiers	BF: 5x, 20x FL: 20x, 20x with fixed step size z-stack	



Functions

Brightfield and WideField Fluorescence slide scanning