

Analysis Computer Cherry (ANS)

INSTRUMENT SPECIFICATION SHEET



BIOLOGICAL
OPTICAL
MICROSCOPY
PLATFORM

Location	Room 103A, Level 1 South, Bio21 Institute, University of Melbourne
Booking	https://unimelb.ilab.agilent.com/schedules/359344#/schedule/
Base	Dell Precision T5810
Operating System	Windows 10 Pro (64 bit)
Memory	64GB (4x16GB) 2400MHz DDR4 RDIMM ECC
Monitor	Dell 24 Monitor
Graphics Card	Quadro P4000, 8GB, 4 DP
Hard Drive	512 GB SATA SSD + 2 TB HDD
Processor	Intel Xeon CPU E5-2650 v4 @ 2.20 GHz
Software	See next page

Software	Version	License / Comments
CellProfiler	4.2.1	2D batch processing and analysis
FIJI	ImageJ 1.53c	Free
Huygens Pro	21.04	Image deconvolution software
Ilastik	1.3.3	Free / Deep learning for segmentation of fluorescent or brightfield
Imaris	9.5.1	Licensed (Floated) Modules: Track, Filament, Coloc, Vantage, Cell, Batch, XT
Imaris Stitcher	9.2.1	Stitching tiles
Volocity	6.3	Charged floating license (book in iLab) / Image processing
Zeiss Zen 2.3	Black, Blue	Licensed / Image process for .lsm, .czi from confocal, Airyscan processing
NIS-Elements	4.51.0	Nikon file image viewer
LAS X	1.9	Free / Viewer for .lif from Leica microscopes
Matlab	R201 8b	
SimFCS	4	Licensed (Fixed)
Vistavision	4.2.10 1.0	Freeware (ISS FLIM)