

CCD2 information

Name		CCD2
Make/Description		ZEISS AXIOPLAN 2e + 16 bit camera (RS)
Upright/Inverted		Upright
Live cell support		No
Detection System		16bit, 1024 x 1024 pixels, CCD 5Mhz / 100Khz
Computer controlled	Time series	Yes but N/A
	Z-series	Yes
	Multiple wavelengths	Yes

OBJECTIVES

Position	1	2	3	4	5	6
Objective name	PLAN NEOFLUAR	FLUAR	PLAN NEOFLUAR	PLAN NEOFLUAR	PLAN APO-CHROMAT	PLAN NEOFLUAR
Mag	1.25x	5x	10x	25x	63x	100x
Contrast methods	BF/DIC?/FL	BF/DIC?/FL	BF/ Ph1 / DIC I / FL	BF/ Ph2 / DIC II / FL	BF/ DIC III FL	BF / FL / Ph3 / DIC III
Numerical Aperture	0.035	0.25	0.30	0.80	1.4	1.3
Cover glass thickness	0.17?	0.17	0.17	0.17	0.17	0.17
Correction collar	No	No	No	For immersion	No	No
Immersion liquid	Air	Air	Air	Oil/glycerine/water	Oil	Oil
Correction	monochromatic and chromatic correction for the focal plane	monochromatic and chromatic correction for the focal plane	monochromatic and chromatic correction for the focal plane	monochromatic and chromatic correction for the focal plane	finite layer thickness enclosing the focal plane, & flat field correction	monochromatic and chromatic correction for the focal plane
Objective qualities	V. good universal objective, ideal for fluorescence, high trans	V. good, wide aperture, high transmission from 340nm	V. good universal objective, ideal for fluorescence, high trans	V. good universal objective, ideal for fluorescence, high trans	Max resolving power, color purity, contrast & image flatness. ideal for confocal	V. good universal objective, ideal for fluorescence, high trans

FILTERSETS

Position (given by number on left of cube facing you)	Shortcut e.g.probe	Zeiss Filter cube	Colour of excitation	Colour of emission (approx)	Excitation wavelength	Dichroic beamsplitter	Emission wavelength
1	DAPI	02	Ultra-violet blue	Blue-red	G365	FT395	LP420
2	FITC	10	True blue	Green	BP450-490	FT510	515-565
3	YFP		green	Yellow	HQ500/20	FT515	HQ535/30
4	TRITC/ CY3/ RHODAMINE	15	Green	Red	BP456/12	FT580	HQ 610/ 75M
5	TEX RED	00	Green/yellow	Red	BP530-585	FT600	LP615
6	CY5	26	Yellow/orange	Far red	BP575-625	FT645	BP660-710
7	DIC analyser	-	-	-	-	-	-
8	BLANK	-	-	-	-	-	-