

## Imaging 3 Cell Observer

Pos.	Objective	for UV	DIC	Magnification	Num. Aperture	Imm.-medium	Working Distance (mm)	Internal number
1	Fluar 5x/0.25 (440125)	++	-	5	0.25	air	12.5	76 Ni
2	Fluar 10x/0.50 M27 (420140-9900)	++	II	10	0.50	air	1.90	138 LIC
3	Plan Achromat 20x/0.8 M27 (420650-9901)	+	II	20	0.8	air	0.55	139 LIC
4	Fluar 40x/1.3 Oil Ph3 M 27 (440255)	++	III	40	1.30	oil	0.16	140 LIC ohne DIC
5	LCI Plan-Neofluar 63x/1.3 Imm Korr Ph3 M27 (420881-9970-000)	+	III	63	1.3	H <sub>2</sub> O, gly	0.17	142 LIC
6	Alpha-Plan Fluar 100x /1.45 oil DICIII (421190-9900)	++	III	100	1.45	oil	0.11	146 LIC

**Plan Achromat 20x/0.8 auf Position 3 ist der Master für Parfokalität !!! An dieser Position nicht tauschen!!!**

### Additional for exchange:

	EC Plan Neofluar 20x/0.5 Ph2 DICII (420351-9910)	+	II	20	0.5	air	2.0	144 LIC
	Fluar 40x/1.30 Oil Ph3 M27 (420261-9910)	++		40	1.30	oil	0.16	140 LIC
	EC Plan-Neofluar 10x/0.3 M27 PH1 (420341-9911)	+	I	10	0.30	air	5.2	143 LIC

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Position	Filter Set	Excitation	DC/Beamsplitter	Emission	Dye	Filter number
1	FSet 38 HE	BP 470/40 (HE)	FT 495 (HE)	BP 525/50 (HE)	GFP	213
2	FSet 43 HE	BP 545/25	FT 570	BP 605/70	DsRed, RFP	218
3	FSet 46 HE	BP 500/25 DMR 25	FT 515 HE	BP 535/30 DMR 25	Alexa 488, eGFP	215
4	DIC	-	-	-	-	216
5	FSet 49 HE	G 365	FT 395	BP 445/50	Alexa 350, BFP, DAPI	217
6		Position for exchange				

### Additional for exchange:

Filter Set	Excitation	DC/Beamsplitter	Emission	Dye	Filter number
21 HE Zeiss modified	340 or 360 nm 380 or 405 nm	Clearing filter SP424 + T425lpxr (Chroma)	BP 510/90 HE	Fura-2 or Fura-8	212
47 HE Zeiss	BP 436/25 DMR 25	FT 455 HE	BP 480/40 DMR 25	CFP, eCFP	214
BCECF	BP 460/80	ST 506	BP 578/105	BCECF	112
AHF custom	ET 470/40	HC-BS 495	BP 700/75	RH 795 (voltage sensitive dye)	134
F36-508 HC	BP 562/40	HC-BS 593	BP 641/75	mCherry	103
AHF custom	406 + 470 Monochromator + clearing 492/SP (Semrock)	T495lpxr	ET 535/50	pHLourin (wt-GFP ratio)	247
FSet Cy 5	BP 640/30	FT 660	BP 690/50	Cy 5, Far Red	257