

## Imaging 4 TIRF

Pos.	Objective	DIC	Magnification	Num. Aperture	Imm.-medium	Working Distance (mm)	Internal number
1	EC Plan Neofluar 5x/0.16 PH1 (420331-9911)	-	5	0,16	air	18,50	137 LIC
2	Plan-Apochromat 10x/0.45 (420640-9900)	-	10	0,45	air	2,00	215 Ni
3	LD Plan Neofluar 20x/0.4PH2 (421351-9970-000)	II	20	0.4	air	7,9	224 F kein DIC
4	Plan Apochromat 63x/1.4 oil DIC (420782-9900-720)	III	63	1,4	oil	0,19	170 FRI
5	Alpha Plan-Apochromat 100x/1.46 Oil DIC (UV) VIS-IR (420792-9800)	III	100	1,46	oil	0,11	185 LIC
6	TIRF1x/- calibration objective	-	1	-	-	Do not remove!	171 FRI
for exchange	Fluar 100x/1,30 Oil	III	100	1,30	oil	0,17	74 Ni SFB
for exchange	Fluar 40x/1.30 Oil DIC (420260-9900)	III	63	1,40	oil	0,19	170 FRI

Pos.	Name	Excitation	Beamsplitter	Emission	Fluorochrome	Filter number
1	FSet 49	BP365	BS395	BP445/50	DAPI	#068
2	FSet 46 HE	BP500/25	BS515	BP535/30	YFP	#069
3	FSet 43 HE	BP525/50	BS570	BP605/70	DsRed, Cy3	#070
4	empty					
5	DIC				DIC	#072
6	FSet 64 HE	BP587/25	BS605	BP647/70	mPlum, mCherry	#257
Dual-camera head	FSet 79 HE (2)	BP470/27+BP556/25	DBS490+575 BS565	BP630/98	GFP/RFP	#080

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Additional for exchange in Filterbox 9 or 10:

Filter Set	Exc. BS Em.	Dye	Usage	Placement	Light Source	Filter number	Box number
FSet 47 HE	BP436/25 BS455 BP480/40	CFP	WF	Microscope Revolver	Sutter	#117	10
Cy5 HC	HC628/40 BSQ660 LP BP700/75 HQ	Cy5	WF	Microscope Revolver	Sutter	#016	9
FSet 78 HE ms (1)	BP445/25+BP510/15 DBS460+520 BS510 BP480/22 LP530	CFP/YFP	TIRF/WF with #076	Microscope Revolver	Laser or Sutter	#074	10
FSet TIRF		CFP/YFP	TIRF with #076	Microscope Revolver	Laser	#079	10
FSet 78 HE (2)	BP480/22 BS510 LP530	CFP/YFP	TIRF/WF	Dual-camera head	Laser or Sutter	#076	10
	BP445/25 - -	CFP	WF	Sutter	Sutter	#114	
	BP510/15 - -	YFP	WF	Sutter	Sutter	#122	
FSet 79 HE (1)	- DBS 490+575 -	GFP/RFP	TIRF/WF with #080	Microscope Revolver	Laser	#077	9
	BP470/27 - -	GFP	WF with #77+119	Sutter	Sutter	#118	
	BP556/25 - -	RFP	WF with #77+118	Sutter	Sutter	#119	
Mirror	Mirror 50/50			Dual-camera head		#078	10
pHluorin ratio	- BS495lpr -	pHluorin	WF with #248+244	Microscope Revolver	Sutter	#246	9
pHluorin ratio	BP473/10 - -	pHluorin	WF with #246+244	Sutter	Sutter	#248	
pHluorin ratio	BP406/15 - -	pHluorin	WF with #246+248	Sutter	Sutter	#244	

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Filter Set	Exc. BS Em.	Dye	Usage	Placement	Light Source	Filter number	Box number
BCECF ratio	BP460/80 BS506 BP578/105	BCECF	WF with #113+116	Microscope Revolver	Laser or Sutter	#112	5 (Im3)
BCECF ratio	BP488/6 - -	BCECF	WF with #112+116	Sutter	Laser or Sutter	#113	
BCECF ratio	BP436/10 - -	BCECF	WF with #112+113	Sutter	Laser or Sutter	#116	
Fura ratio	BP340/30 - -	Fura-2	WF with #075	Sutter	Sutter	#120	
Fura ratio	BP387/15 - -	Fura-2	WF with #075	Sutter	Sutter	#121	

#075 is currently modified at Axiolmager