

The Objectives and the filters for the Olympus FV1000

1. Objectives

No.	Name	Mag.	Imersion	N.A.	W. D. (mm)
1	UPlanSApo 10x	10	None	0.40	3.10
2	UPlanSApo 20x	20	None	0.75	0.60
3	XLUMPlanFI 20xW	20	Water	0.95	2.00
4	UAPON40XW340	40	Water	1.15	0.25
5	UPlanFLN 40xO	40	Oil	1.30	0.20
6	UPlanSApo 60x	60	Oil	1.35	0.15

Mag.: Magnification, N. A.: Numerical Aperture, W. D.: Working Distance
No. 3 is kept in the lens cabinet.

2. Dichroic mirrors and filters

Excitation DM	Emission DM1	Emission DM2	Emission DM3	Barrier Filter1	Barrier Filter2	Barrier Filter3	Barrier Filter4
BS20/80	Mirror	Mirror	Mirror			BA650IF	Spare
405/488	Glass	Glass	Glass			BA560IF	Spare
488/543/633	SDM560	SDM640	Spare			Spare	Spare
458/515	SDM510	SDM560	Spare			Spare	Spare
405-440/515	SDM490	Spare	Spare			Spare	Spare
405/488/543	Spare (Dffraction grating)	Spare (Dffraction grating)	Spare			Spare	Spare

3. Fluorescent filter for visual observation

Name	Excitation filter (nm)	Dichroic mirror (nm)	Emission filter (nm)	Fluorescent dye
U-MWU2	330-385	400	420	DAPI etc.
U-MNIBA3	470-495	505	510-550	GFP etc.
U-MWIG3	530-550	570	575IF	RFP etc.