

Materials List for:

High-resolution Fiber-optic Microendoscopy for *in situ* Cellular Imaging

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Materials

Name	Company	Catalog Number	Comments
CCD camera	Point Grey Research	GRAS-14S5M	
LED	Thorlabs Inc.	M455L2	Selected for use with proflavine – other fluorophores may require different parts
Excitation filter	Semrock	452/45	Selected for use with proflavine – other fluorophores may require different parts
Emission filter	Semrock	550/88	Selected for use with proflavine – other fluorophores may require different parts
Dichroic mirror	Chroma Technology Corp.	485 DCLP	Selected for use with proflavine – other fluorophores may require different parts
Objective lens	Thorlabs Inc.	RMS 10X	
Tube lens	Thorlabs Inc.	AC-254-150-A1	Select focal length to achieve required magnification to CCD
Condenser lens	Thorlabs Inc.	ACL2520	
Cage cube unit	Thorlabs Inc.	C6W, B1C, B3C, B5C, SM1CP2	
Cage rods and plates	Thorlabs Inc.	ER05 (x4), ER1.5 (x2), ER2 (x2), ER6 (x2), CP02 (x3)	
Fold mirror unit	Thorlabs Inc.	KCB1, PF10-03-G01	
Lens tubes	Thorlabs Inc.	SM1L05, SM1L30, SM1V05 (or SM1Z)	
Adapters / couplers	Thorlabs Inc.	SM1A3, SM1A9, SM1T2 (x2)	
SMA connectors	Thorlabs Inc.	SM1SMA, 11040A	
LED driver	Thorlabs Inc.	LEDD1B TPS001	
Fiber optic bundle	Sumitomo Bakelite Co., Ltd.	IGN-08/30	Larger or smaller bundles are available (Sumitomo / Fujikura)