

Materials List for:

# High-Throughput Total Internal Reflection Fluorescence and Direct Stochastic Optical Reconstruction Microscopy Using a Photonic Chip

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URL: <https://www.jove.com/video/60378>

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## Materials

Name	Company	Catalog Number	Comments
1-axis sample stage	Standa	7T173-20	
2-axis sample translation stage	Mad City Labs		Custom order
3-axis NanoMax stage	Thorlabs	MAX311D	
BXFM microscope body	Olympus	OLY-LSM-037018	
CellMask Deep Red, Life technologies	ThermoFisher	C10046	
Cleanroom grade swabs	MRC Technology	MFS-758	
Fiber-coupled laser	Cobolt	Flamenco	
Filter Holder	Homemade		
Hellmanex III, Hellma Gmbh	Sigma-Aldrich	Z805939	Cleaning detergent concentrate
Isopropanol	Sigma-Aldrich	563935-1L	
KL 1600 LED	Olympus	OLY-LSM-E0433314	
Olympus Coupling lens	Olympus	LMPLFLN 50x/0.5	
Orca Flash 4.0 V2	Hamamatsu		
PBS tablets	Sigma-Aldrich	P4417-50TAB	Mix according to descriptions
SYLGARD 184 Silicone Elastomer 1.1 kg kit	Dow	1673921	
Tip-tilt stage	Thorlabs	APR001	
Vacuum holder	Thorlabs	HWV001	
Wafer Tweezers Type 2W	Agar scientific	AGT5051	