

Materials List for:

Acquiring Fluorescence Time-lapse Movies of Budding Yeast and Analyzing Single-cell Dynamics using GRAFTS

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Materials

Name	Company	Catalog Number	Comments
Y04C Yeast Perfusion Plate	CellAsic	Y04C-02	
ONIX Microfluidic Perfusion Platform	CellAsic	EV-262	
Axio Observer.Z1 Microscope	Zeiss		
Plan-Apochromat 63x/1.40 Oil DIC objective	Zeiss	440762-9904-000	
Cascade II EMCCD camera	Photometrics		
Lumen 200 metal-halide arc lamp	PRIOR Scientific		
Triple-bandpass dichroic filter cube and excitation and emission filter set	Chroma Technology Corp	set #89006	Used for YFP (Venus/Citrine), CFP (Cerulean), RFP (mCherry/tdTomato)
MAC 5000 controller and filter wheels	Ludl Electronic Products		
MATLAB R2011a	Mathworks		64-bit version handles large data files better than 32-bit