

Materials List for:

Quantifying Microorganisms at Low Concentrations Using Digital Holographic Microscopy

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Materials

Name	Company	Catalog Number	Comments
Bacto Yeast	BD Biosciences	212750	
Bacto Tryptone	BD Biosciences	211705	
Sodium chloride	Sigma-Aldrich	7710	Many options for purchase
Bacto Agar	BD Biosciences	214010	
10 cm Petri dishes	VWR	10053-704	
15 mL culture tubes	Falcon (Corning Life Sciences)	352002	Loose-capped
Petroff-Hauser chamber	Electron Microscopy Sciences	3920	
10 mL syringes	BD Biosciences	309604	Luer-Lok tip not necessary
Male Luer to 1/16" barbed fitting	McMaster-Carr	51525K291	
Autoclavable 1/16" ID PVC tubing for flow	Nalgene	8000-0004	Sold by length, purchase accordingly
Syringe pump	Harvard Apparatus	PHD 2000	
Sample Chamber	Custom	n/a	See Materials Section
Holographic Microscope	Custom	n/a	See Wallace et al.
Open-source software	Custom	https://github.com/bmorris3/shampoo	