

Materials List for:

High-throughput Measurement of *Dictyostelium discoideum* Macropinocytosis by Flow Cytometry

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Materials

Name	Company	Catalog Number	Comments
LSR_II flow cytometer	BD Biosciences	-	Other Flow cytometers can also do this role, e.g. the LSRFortessa by BD
TRITC-dextran (155 kDa)	Sigma-Aldrich	T1287	Other non-quenchable dextrans, and other sizes are also fine
HL5 medium	Formedium	HLGCFG	
96-well tissue culture plate	Corning	3596	Any flat-bottom tissue culture treated 96-well plate will work
Dihydrostreptomycin sulfate	Sigma-Aldrich	PHR1517	
Ampicillin sodium	Formedium	AMP50	
Kanamycin monosulfate	Sigma-Aldrich	60615	
Sodium azide	VWR	103694M	
Magnesium sulfate hydrate	VWR	25169.295	
Calcium chloride dihydrate	VWR	1.02382.0250	
Potassium dihydrogen phosphate	VWR	1.04877.1000	
Di-potassium hydrogen phosphate	VWR	1.05104.1000	
Fluorimeter	Perkin-Elmer	LS 50 B	
FM1-43	ThermoFisher	T35356	
Fluoresbrite YG-carboxy microspheres 1.00 µm	Polysciences	15702-10	
Fluoresbrite YG-carboxy microspheres 1.50 µm	Polysciences	09719-10	
Fluoresbrite YG-carboxy microspheres 1.75 µm	Polysciences	17687-5	
Fluoresbrite YG-carboxy microspheres 2.00 µm	Polysciences	09847-5	
Texas Red <i>E. coli</i> bioparticles	ThermoFisher	E2863	
Flow-set fluorospheres	Beckman Coulter	6607007	Calibration Beads
SM agar	Formedium	SMACFG	
0.22 µm syringe filter	Elkay Laboratory Products	E25-PS22-50S	
10 mL Syringe	Becton Dickinson	302188	
Round-bottom polystyrene tubes	Corning	352058	Use a tube that will fit onto your flow cytometer.
70 µm cell strainer	Falcon	352350	
50 mL centrifuge tube	Sarstedt	62.547.004	
Repeating pipette	Eppendorf	M4-SK	
5 mL repeating pipette tips	Eppendorf	30089650	

DMSO	Sigma-Aldrich	D2650-100ML	
LY294002	Cayman Chemical Company	70920	
Nocodazole	Sigma-Aldrich	M1404-2MG	