

Materials List for:

# Fluorescence Microscopy Methods for Determining the Viability of Bacteria in Association with Mammalian Cells

M. Brittany Johnson<sup>1</sup>, Alison K. Criss<sup>1</sup>

<sup>1</sup>Department of Microbiology, Immunology, and Cancer Biology, University of Virginia Health Sciences Center

Correspondence to: Alison K. Criss at [akc2r@virginia.edu](mailto:akc2r@virginia.edu)

URL: <https://www.jove.com/video/50729>

DOI: [doi:10.3791/50729](https://doi.org/10.3791/50729)

## Materials

Name	Company	Catalog Number	Comments
21 G 3/4 butterfly needles for blood collection	Becton Dickinson	367251	
Blood collection tubes with Sodium Heparin 10 ml	Becton Dickinson	366480	
Sterile water for irrigation	Baxter	07-09-64-070	
Dextran 500	Sigma	31392	
Sodium Chloride	Fisher Scientific	S641	
Dextrose	Ricca Chemical Company	RDCD0200	
Dulbecco's PBS no Ca <sup>2+</sup> or Mg <sup>2+</sup>	Thermo Scientific	SH3002802	
Ficoll solution	GE Healthcare	17-1440-03	
Acetic Acid	Fisher Scientific	BP2401	
12 mm circular glass coverslips	Fisher Scientific	12-545-80 12CIR-1	
24-well plates	Corning Incorporated	3524	
Pooled Human Serum	Sigma	S7023	
RPMI	Mediatech	15-040-CV	
Fetal Bovine Serum	Thermo Scientific	SH3007103	
Human interleukin-8	R&D Systems	208-IL/CF	
MOPS	Sigma	M3183	
MgCl <sub>2</sub>	Fisher Scientific	BP214	
Propidium Iodide	Life Technologies	L7007 or L7012	
SYTO9	Life Technologies	L7007 or L7012	
Saponin	Fluka Analytical	47036	
Alexa Fluor 647-coupled soybean lectin	Life Technologies	L-32463	
DAPI	Sigma	D8417	
SYTOX Green	Life Technologies	S7020	
Mouse anti-CD63	Developmental Studies Hybridoma Bank	H5C6	
Alexa Fluor 555 Antibody Labeling Kit	Life Technologies	A20187	
Hemocytometer Bright Line	Hausser Scientific	1492	
Forceps	EMS	78320	
Sorvall Legend RT + Centrifuge	Thermo Scientific	75004377	