

Materials List for:

Use of a Monocyte Monolayer Assay to Evaluate Fcγ Receptor-mediated Phagocytosis

Tik Nga Tong¹, Donald R. Branch^{1,2}

¹Department of Laboratory Medicine and Pathobiology, University of Toronto

²Centre for Innovation, Canadian Blood Services

Correspondence to: Donald R. Branch at don.branch@utoronto.ca

URL: <https://www.jove.com/video/55039>

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Materials

Name	Company	Catalog Number	Comments
Acid citrate dextrose (ACD) vacutainers	BD	REF364606	
RPMI 1640	Sigma	R8758	
HEPES	Bioshop	HEP003.100	
Fetal bovine serum	Multicell	080150	
Gentamicin	Gibco	15710-64	
Ficoll-Paque PLUS	GE	17-1440-03	https://www.gelifesciences.com/
Phosphate buffered saline	Sigma	D8537	
8-chamber slides	Lab-Tek-ll	154534	
R ₂ R ₂ (cDE/cDE) red blood cells	Canadian Blood Services		Commercially available (e.g., http://www.bio-rad.com/en-ca/product/reagent-red-blood-cells)
Polyclonal anti-D from human serum	Gamma Biologics	DIN 02247724	Can be substituted with commercially available monoclonal anti-D or with Rh immune globulin
100% methanol	Caledon	6700-1-42	
Polyvinyl alcohol resin	Sigma	P8136	Can be substituted with commercially available mount
UltraPure glycerine	Invitrogen	15514-011	
Cover slips	VWR	48366 067	
Novaclone anti-IgG	Immucorgamma	5461023	Optional for IAT (http://www.fda.gov/downloads/biologicsbloodvaccines/.../ucm081743.pdf)