

Materials List for:

# Flow Cytometric Measurement Of ROS Production In Macrophages In Response To FcγR Cross-linking

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URL: <https://www.jove.com/video/59167>

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## Materials

Name	Company	Catalog Number	Comments
Anti-BSA IgG1	Innovative Research	IBSA9E2C2	
Alexa Fluor 647 Rat IgG2b, κ Isotype Ctrl Antibody	BioLegend	400626	
Anti-mouse CD16/32	BioLegend	101302	
Anti-mouse F4/80 antibody conjugated to Alexa Fluor 647	BD Biosciences	565853	
Anti-mouse F4/80 antibody conjugated to FITC	BioLegend	123108	
Anti-mouse/human CD11b antibody conjugated to Alexa Fluor 647	BioLegend	101218	
beta-mercaptoethanol (BME)	Sigma	M3148-100ml	
Bovine Serum Albumin (BSA) FractionV	Fisher	BP1600-100	
C57BL/6J	Jackson labs	Stock No.000664	
CM-H2DCFDA	Molecular Probes	C6827	Can be a substitute for oxidative stress detection reagent in the Enzo kit
Dihydroethidium (DHE)	Molecular Probes	D11347	Can be a substitute for superoxide detection reagent in the Enzo kit
DMEM 1x	Corning	10-013-CV	
DMEM no phenol red	Gibco	31053-028	
DMF Anhydrous	Acros Organics	61094-1000	
Fetal Bovine Serum (FBS)	VWR	97068-085	
FITC Rat IgG2a, κ Isotype Ctrl Antibody	BioLegend	400506	
HEPES (1M)	Gibco	15630-080	
L glutamine	Gibco	25030-081	
LADMAC cells	ATCC	CRL-2420	
MEM	Corning	10-010-CV	
mouse IFN-g	GoldBio	1360-06-100	
N-Acetyl-L-cysteine	EMD Milipore	106425	Can be a substitute for ROS inhibitor/scavenger in the Enzo kit
Novocyte flow cytometer with autosampler	Acea	2060R	
Pyocyanin (ROS inducer)	Cayman chemical	10009594	Can be a substitute for inducer in the Enzo kit
ROS-ID total ROS/superoxide detection kit	ENZO	ENZ-51010	

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Sodium pyruvate (100mM)	Gibco	11360-070	
Trypsin-EDTA (0.25%)	Gibco	25200-056	