

Materials List for:

# Multicolor Flow Cytometry-based Quantification of Mitochondria and Lysosomes in T Cells

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URL: <https://www.jove.com/video/58844>

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## Materials

Name	Company	Catalog Number	Comments
10 cm Graefe forceps (straight and serrated)	Dimedea		
11 cm Iris scissors (straight with sharp/sharp heads)	Dimedea		
15 mL centrifuge tube	Thermo Fisher Scientific	339650	
5 mL syringe	TERUMO		
6 cm Petri dish	α-plus		
70 μm nylon cell strainer	SPL Lifesciences	93070	
Ammonium chloride (NH <sub>4</sub> Cl)	Sigma	A9434	
Anti-mouse CD25	Biolegend	102007	Clone:PC61
Anti-mouse CD4	Biolegend	100453	Clone:GK1.5
Anti-mouse CD44	Biolegend	103029	Clone:IM7
Anti-mouse CD62L	Biolegend	104407	Clone:MEL-14
Anti-mouse CD8	Biolegend	100713	Clone:53-6.7
Anti-mouse TCRβ	Biolegend	109233	Clone:H57-579
BD LSRFortessa	BD Biosciences		
Ethylenediaminetetraacetic acid (EDTA)	Bio basic	6381-92-6	
FALCON 5ml Polystyrene Round-Bottom Tube (FACS tube)	BD Biosciences	352052	
Fetal Bovine Serum (FBS)	Hyclone	ATD161145	
Flowjo, LLC	BD Biosciences		
Hydroxyethyl piperazineethanesulfonic acid (HEPES)	Sigma	H4034	
L-glutamine (200 mM)	Gibco	A2916801	
LysoTracker Green DND26	Thermo Fisher Scientific	L7526	
MEM Non-essential amino acids (100X)	Gibco	11140050	
MitoTracker Green FM	Thermo Fisher Scientific	M7514	
Penicillin-Streptomycin (10,000 U/mL)	Gibco	15140122	
Potassium bicarbonate (KHCO <sub>3</sub> )	J.T.baker	298-14-6	
Propidium iodide solution	Sigma	25535-16-4	
RPMI 1640 medium (powder)	Gibco	31800089	
Sodium bicarbonate (NaHCO <sub>3</sub> )	Sigma	S5761	

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Sodium pyruvate (100 mM)	Gibco	11360070	
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