

Materials List for:

# Rapid *In Vivo* Assessment of Adjuvant's Cytotoxic T Lymphocytes Generation Capabilities for Vaccine Development

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## Materials

Name	Company	Catalog Number	Comments
BD LSR Fortessa Cell Analyzer	BD	Special Order	Flow Cytometer
CFSE	Molecular Probes	C34554	Proliferation Dye
MojoSort Mouse CD8 T Cell Isolation Kit	Biolegend	480007	Magnetic Isolation Beads and antibodies for negative selection of untouched CD8 T cells.
LIVE/DEAD Fixable Blue Dead Cell Stain Kit, for UV excitation	Molecular Probes	L23105	Dead Cell Marker
CD90.1 (Thy-1.1) Monoclonal Antibody (HIS51), PE-Cyanine7	eBioscience	25-0900-82	antibody
APC anti-mouse CD8a Antibody	BioLegend	100712	antibody
BV421 Rat Anti-Mouse CD4	BD	740007	antibody
Z2 coulter Particle count and Size Analyzer	Beckman Coulter	9914591DA	Cell counter. Z2 Automated particle/cell counter
EndoGrade Ovalbumin (10 mg)	Hyglos(Germany)	321000	Ovalbumin endotoxin free tested.
Cell Strainer 100µm nylon	Corning	352360	Cell strainer (100 µm pore mesh cups).
Sample Vials	Beckman Coulter	899366014	Sample vials for Z2 automated counter
C57BL/6 mice (CD90.2)	Harlan (Rossdorf, Germany)		Company is now Envigo
OT-1 (C57BL/6 background, CD90.1)	Harlan (Rossdorf, Germany)		Inbred at our animal facility. Company from where acquired is now Envigo
FACS tubes	Fischer (Corning)	14-959-5	Corning Falcon Round-Bottom Polystyrene Tubes
Falcon 15 mL tubes	Fischer (Corning)	05-527-90	Falcon 15mL Conical Centrifuge Tubes
PBS (500 mL)	Fischer (Gibco)	20-012-027	Gibco PBS (Phosphate Buffered Saline), pH 7.2
Red lamp (heating lamp)	Dirk Rossmann GmbH (Germany)	405096	Heating infred lamp (100 wats)
IsoFlo (Isoflurane)	Abbott Laboratories (USA)	5260.04-05.	Isoflurane anesthetic (250 mL flask).
<b>Tabletop Anesthesia Machine/ Mobile Anesthesia Machine with CO2 Absorber</b>	Parkland Scientific	V3000PK	Isoflurane anesthesia machine.
RPMI 1640 medium	Gibco (distributed by ThermoFischer)	11-875-093	Base medium with Glutamine (500 mL)
Pen-Strept antibiotic solution (Gibco)	Gibco (distributed by ThermoFischer)	15-140-148	Gibco Penicillin-Streptomycin (10,000 U/mL)
Fetal Bovine Serum (Gibco)	Gibco (distributed by ThermoFischer)	10082147	Fetal Bovine Serum, certified, heat inactivated, US origin

ACK Lysing Buffer (100 ml)	Gibco (distributed by ThermoFischer)	A1049201	Amonium Chloride Potassium (ACK) Whole Blood Lysis Buffer, suitable for erythrocyte lysis in spleen suspensions also
Plastic Petri Dishes	Nunc (distributed by ThermoFischer)	150340	60 x 15mm Plastic Petri Dish, Non-treated
Cell Clump Filter	CellTrics (Sysmex)	04-004-2317	CellTrics® 50 µm, sterile