

Materials List for:

Antigenic Liposomes for Generation of Disease-specific Antibodies

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URL: <https://www.jove.com/video/58285>

DOI: [doi:10.3791/58285](https://doi.org/10.3791/58285)

Materials

Name	Company	Catalog Number	Comments
Model 2110 Fraction Collector	BioRad	7318122	
Cholesterol	Sigma	C8667	Sigma grade 99%
SPDP	Thermo Fisher Scientific	21857	
DSPC	Avanti	850365	
DSPE-PEG 18:0	Avanti	880120	
DSPE-PEG Maleimide	Avanti	880126	
Extruder	Avanti	610000	1 mL syringe with holder/heating block
Filters 0.1 µm	Avanti	610005	
Filters 0.8 µm	Avanti	610009	
10 mm Filter Supports	Avanti	6100014	
Glass Round Bottom Flask	Sigma	Z100633	
Turnover stoppers	Thermo Fisher Scientific	P-301398	
Tubing	Thermo Fisher Scientific	P-198194	
Leur Lock	Thermo Fisher Scientific	k4201634503	
Sephadex G50 Beads	GE Life Sciences	17004201	
Sephadex G100 Beads	GE Life Sciences	17006001	
Heat Inactivated Fetal Calf Serum	Thermo Fisher Scientific	10082147	
HEPES (1 M)	Thermo Fisher Scientific	15630080	
EGTA	Sigma	E3889	
Penicillin-Streptomycin (10,000 U/mL)	Thermo Fisher Scientific	15140122	
1x RBC lysis Buffer	Thermo Fisher Scientific	00-4333-57	
Indo-1	Invitrogen	I1203	
CD5-PE	BioLegend	100608	
B220-PE-Cy7	BioLegend	103222	
HBSS	Thermo Fisher Scientific	14170112	without calcium and magnesium
MgCl ₂	Sigma	M8266	
CaCl ₂	Sigma	C4901	
Fab anti-mouse IgM	Jackson ImmunoResearch	115-007-020	

F(ab') ₂ anti-mouse IgM	Jackson ImmunoResearch	115-006-020	
Peanut flour	Golden Peanut Co.	521271	12% fat light roast, 50% protein
Animal feeding needles	Cadence Science	7920	22g x 1.5", 1.25 mm - straight
Microprobe thermometer	Physitemp	BAT-12	
Rectal probe for mice	Physitemp	Ret-3	
Cholera toxin, from <i>Vibrio cholera</i>	List Biological Laboratories, Inc.	100B	Azide free
BCA Protein Assay Kit	Pierce	23225	
Carbonate-bicarbonate buffer	Sigma	C3041	
TMB Stop Solution	KPL	50-85-06	
SureBlue TMB Microwell Peroxidase Substrate	KPL	5120-0077	
96 well Immulon 4HBX plate	Thermo Scientific	3855	
Purified soluble Ara h 2	N/A	N/A	purified as in: Sen, <i>et al.</i> , 2002, Journal of Immunology
HSA-DNP	Sigma	A-6661	
Mouse IgE anti-DNP	Accurate Chemical	BYA60251	
Sheep anti-Mouse IgE	The Binding Site	PC284	
Biotinylated Donkey anti-Sheep IgG	Accurate Chemical	JNS065003	
NeutrAvidin Protein, HRP	ThermoFisher Scientific	31001	
Mouse IgG1 anti-DNP	Accurate Chemical	MADNP105	
HRP Goat anti-mouse IgG1	Southern Biotech	1070-05	
1 mL Insulin Syringes	BD	329412	U-100 Insulin, 0.40 mm (27 G) x 16.0 mm (5/8")
Superfrost Microscope Slides	Fisher Scientific	12-550-14	25 mm x 75 mm x 1.0 mm
ACK Lysing Buffer	gibco by Life Technologies	A10492-01	100 mL
RPMI 1640 Medium	Thermo Fisher Scientific	11875093	500 mL
Cell Strainer	Corning	352350	70 µm Nylon, White, Sterile, Individually packaged
NuPAGE 4-12% Bis-Tris Protein Gels	Invitrogen	NP0322BOX	10 gels
NuPAGE LDS buffer, 4x	Invitrogen	NP0008	250 mL
SeeBlue Plus2 Pre-stained standard	Invitrogen	LC5925	500 µL
NuPAGE MES/SDS running buffer, 20x	Invitrogen	NP0002	500 mL
GelCode Blue Stain	Thermo Scientific	24590	500 mL