

Materials List for:

Sublingual Immunotherapy as an Alternative to Induce Protection Against Acute Respiratory Infections

Natalia Muñoz-Wolf^{1,2}, Analía Rial¹, José M. Saavedra¹, José A. Chabalgoity¹

¹Departamento de Desarrollo Biotecnológico, Universidad de la República

²Present Affiliation: Trinity Biomedical Science Institute, Trinity College Dublin

Correspondence to: José A. Chabalgoity at jachabal@higiene.edu.uy

URL: <https://www.jove.com/video/52036>

DOI: [doi:10.3791/52036](https://doi.org/10.3791/52036)

Materials

Name	Company	Catalog Number	Comments
Ketamine solution (50 mg/ml)	Pharma Service, Uruguay		
Xilacine solution (2 %)	Portinco S.A., Uruguay		
Sterile 1 ml syringe	Modern, Uruguay		
Sterile 27 G needle	Modern, Uruguay		
RPMI 1640	General Electric Health Care	E15885	
Fetal Bovine Serum	ATCC	302020	
Penicillin/Streptomycin Solution	SIGMA	P4333	
Sterile PBS without Ca ²⁺ /Mg ²⁺	PAA	H21002	
Type-I Collagenase	Life Technologies/Gibco	17100017	
Deoxyribonuclease I (DNase-I)	SIGMA	D4513	
Dispase	Life Technologies/Gibco	17105041	
PerCP-Cy5.5 conjugated rat anti mouse IgG2b anti CD11b	BD	550993	Clone M1/70
APC conjugated hamster anti mouse IgG1 anti CD11c	BD	550261	Clone HL3
APC-Cy7 conjugated rat anti mouse IgG2a anti Ly6G	BD	560600	Clone 1A8
Sterile Saline Solution	Laboratorio Farmaco Uruguayo, Uruguay		
Tryptic Soy Agar	BD Difco, France	236950	
Defibrinated Sheep Blood	Biokey, Uruguay		
Sterile Petri Dishes	Greiner	633180	
p10 Pipette	Gilson	F144802	
p20 Pipette	Eppendorf	3120000097	
p200 Pipette	Gilson	F123601	
p200 Pipette	Capp	C200	
p200 Pipette	Eppendorf	3120000054	
p1000 Pipette	Eppendorf	3120000062	
Sterile Filter Tips p10	Greiner	771288	
Sterile Filter Tips p200	Greiner	739288	
Sterile Filter Tips p1000	Greiner	750288	
Vortex	BIOSAN	V1-plus	
Stainless steel fine tip forceps	SIGMA	Z168785/Z168777	Curved and straight
Dressing tissue forceps	SIGMA	F4392	Length 8 inches

Micro-dissecting forceps	SIGMA	F4017	Straight
Micro-dissecting forceps	SIGMA	F4142	Curved
Mayo Scissors	SIGMA	Z265993	
Scalpel	SAKIRA MEDICAL		
Sterile Biopsy Punch Ø 3mm	Stiefel Laboratories Ltd.	2079D	5 mm diameter can also be used
Sterile 1.5 ml Tubes	Deltalab	200400P	
Sterile 15 ml Tubes	Greiner	188271	
Sterile 50 ml Tubes	Greiner	227261	
Sterile serological pipettes 5 ml	Greiner	606160	
Sterile serological pipettes 10 ml	Greiner	607160	
Sterile serological pipettes 25 ml	Greiner	760180	
Biological safety cabinet, class II	Thermo Scientific	1300 series, type A2	
Micro-Isolator Rack	RAIR IsoSystem	76144W	Super Mouse 1800 AllerZone
Refrigerated Microcentrifuge	Eppendorf	Legend Micro 21R	
Microcentrifuge	Heraeus	Biofuge-pico	
Centrifuge	Thermo Scientific	Sorval ST40R	
CO ₂ Incubator	Thermo Scientific	Model 3111	
Sterile Thin-tip pasteur pipettes	Deltalab	D210022	
Sterile pasteur pipettes	Deltalab	200007	
Sterile 24-well plate	Greiner	662160	
Trypan Blue Solution	Life Technologies	T10282	
Automatic Cell Counter - Countess	Life Technologies	C10227	
Countess Cell Counting Chamber Slides	Life Technologies	C10312	
Flow Cytometry Tubes	BD	343675	
Flow Cytometer - FACS Canto-II	BD		
Real Time PCR Instrument - Rotor Gene Q or ABI 7900	Qiagen / Applied Biosystems		
Trizol Reagent	Life Technologies	15596-026	Molecular Biology Grade
DNase-I	Life Technologies	18068-015	Molecular Biology Grade
DNase-I Buffer 10X	Life Technologies	18068015	Molecular Biology Grade
EDTA 25 mM	Life Technologies	18068015	Molecular Biology Grade
Ultra-Pure Water	Life Technologies	10977	Molecular Biology Grade
RNAse Out	Life Technologies	100000840	Molecular Biology Grade
Random Hexamer Primers	Life Technologies	N8080127	Molecular Biology Grade
M-MLV-RT buffer	Life Technologies	18057-018	Molecular Biology Grade
M-MLV-RT enzyme	Life Technologies	28025-021	Molecular Biology Grade
QuantiTect Syber Green PCR Kit	Qiagen	204143	Molecular Biology Grade
Specific primers	Life Technologies		Molecular Biology Grade