

Materials List for:

Comparative *in vivo* Study of gp96 Adjuvanticity in the Frog *Xenopus laevis*

Hristina Nedelkovska¹, Tanya Cruz-Luna¹, Pamela McPherson¹, Jacques Robert¹

¹Department of Microbiology and Immunology, University of Rochester

Correspondence to: Jacques Robert at Jacques_Robert@urmc.rochester.edu

URL: <https://www.jove.com/video/2026>

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Materials

Name	Company	Catalog Number	Comments
Reagents needed:			
Amphibian Phosphate Buffered Saline (APBS):			
NaCl, 1.15 g/L			
Na ₂ HPO ₄ , 0.2 g/L			
KH ₂ PO			
10N NaOH			
Tricaine Methane Sulfonate (TMS, MS-222)	Crescent Research Chemicals	CAS#886-86-2	
Sodium bicarbonate	Fisher Scientific	S-233-500	
Histopaque-1077	Sigma-Aldrich	10771	100ml
Heparin Sodium Salt	Sigma-Aldrich	H3149-50KU	
Culture medium for Xenopus 15/0 tumors [see 3 for more details]:			
Iscove DMEM basal medium	GIBCO, by Life Technologies	11965	
Insulin			
Non-essential amino acids			
Penicillin-streptomycin			
Kanamycin			
Primatone	Sheffield Products Division		
β2-mercapt–thanol			
NaHCO ₃			
30% double distilled water			
5% featal bovine serum			
20% superantant from a Xenopus kidney cell line A6			
0.25% of normal Xenopus serum			
Materials and Equipment:			
50 and 15 ml conical centrifuge tubes (sterile)			
25 gauge 5/8 Precision Glide sterile needles	BD Biosciences		
18 gauge 1½ Precision Glide sterile needles	BD Biosciences		
1 ml Tuberculin Slip Tip Syringe sterile	BD Biosciences		
10 ml Slip Tip Syringe sterile	BD Biosciences		

1.5 ml MicroCentrifuge tubes (sterile)			
60 X 15 mm Polystyrene Petri Dishes sterile	Falcon BD		
Razor blades			
25 X 75 mm X 1 mm Premium Microscope Slides	Fisher Scientific		
10 cm glass petri dishes			
9" Pasteur Pipettes Durex Borosilicate Glass Cotton Plugged Disposable	VWR international		
Tygon tubing			
Two # 5 Swiss Jeweler's Forceps	Miltex Inc.		
Micro Dissecting Spring Scissors McPherson-Vannas straight cutting edge 6 mm	Roboz Surgical Instruments Co.		
Helios calipers			
Dissecting microscope			
High intensity illuminator			
Hemocytometer			
Un-bunsen burner			
37°C shaking incubator			
Centrifuge			