

Materials List for:

Development of an Economical DNA Delivery System by "Acufection" and its Application to Skin Research

Yu-Jei Lin¹, Tsung-Lin Lee¹, Chia-Chi Ku¹

¹Graduate Institute of Immunology, National Taiwan University College of Medicine

Correspondence to: Chia-Chi Ku at chiachiku@ntu.edu.tw

URL: <https://www.jove.com/video/55206>

DOI: [doi:10.3791/55206](https://doi.org/10.3791/55206)

Materials

Name	Company	Catalog Number	Comments
Accu Handy Needle	Accu	36Gx0.5	Medical device
Nair™ Lotion	Church & Dwight	N/A	Use to remove hair
Shandon Xyline substitute	Thermo Fisher Scientific	6764506	Deparaffinization
Avertin (2,2,2-Tribromethanol)	Sigma-Aldrich	T4,840-2	Anesthesia
2-methyl-2-butanol	Sigma-Aldrich	152463	Solvent for the dissolution of avertin
Difco™ LB broth, Miller	BD	244620	Propagation and maintenance of <i>E. coli</i> for molecular biology
Mouse IL-15/IL-15R Complex ELISA Ready-SET-Go kit	eBioscience	88-7215	Measure IL-15 protein
Anti-mouse Ly6G	BioLegend	127601	Antibody used for immunohistochemical stain
anti-mouse Ki-67	eBioscience	14-5698-80	Antibody used for immunohistochemical stain
Simple Stain Mouse MAXPO (Rat)	Nichirei Biosciences	414341F	Reagent to block background signal in mouse-on-mouse stain
DAB Peroxidase (HRP) Substrate Kit	Vector Laboratories	SK-4100	Peroxidase substrate for immunohistochemical stain
Ultra V block	Thermo Fisher Scientific	TA-060-UB	Reduce nonspecific background staining
Methyl green	Sigma-Aldrich	M8884	Nuclear staining
Vecta Mount™	Vector Laboratories	M-5000	Permanently preserving histochemical stains
Protease inhibitor cocktail tablets	Roche	04-693-116-001	Inhibit protease activity in cell lysate
Aldara cream	3M Pharmaceuticals	N/A	5% imiquimod cream
Bessman Tissue Pulverizer	Spectrum Labs	189475	Use to pulverize skin tissue
ABI7900HT cycler	Thermo Fisher Scientific	N/A	quantitative real-time PCR assay
Camcorder	Panasonic	HDC-SD60	Image documentation
Axio Scope.A1	ZEISS	N/A	Bright-field microscopy