

Materials List for:

Isolation, Characterization and Functional Examination of the Gingival Immune Cell Network

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URL: <https://www.jove.com/video/53736>

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Materials

Name	Company	Catalog Number	Comments
Fine Scissors	Fine science tools	14058-11	
Scalpel Handle #3	Fine science tools	10003-12	
Scalpel Blades #10	Fine science tools	10010-00	Sterile
Splinter Forceps	Integra Miltex	6-304	
Needles with regular bevel	BD Medical	305109	27 G, 12.7 mm length
Monoject syringes	Covidien	8881513934	Luer-lock tip, 3 ml
PBS, pH 7.4	Life Technologies	10010-049	Without Calcium and Magnesium
RPMI 1640	Lonza	12-167F	Without L-glutamine
DNase I from bovine pancreas	Sigma-Aldrich	DN25-1G	
Collagenase type IV	Gibco (by Life technologies)	17104-019	
Fetal Bovine Serum	Gemini Bio-products	100-106	
Gentamicin 50 mg/ml	Quality biological	120-098-661EA	
Pen Strep	Gibco (by Life technologies)	15140-122	
L-Glutamine	Gibco (by Life technologies)	25030-081	
0.5 M EDTA pH 8.0	Quality biological	351-027-721EA	
50 ml tubes	Corning	352070	Polypropylene, sterile
70 µM Cell Strainers	Corning	352350	
Petri dishes	Corning	351029	Sterile
5 ml FACS tubes	Corning	352052	Sterile
BD GolgiPlug	BD Biosciences	555029	Contains brefeldin A solution
Phorbol 12-Myristate 13-Acetate (PMA)	Sigma-Aldrich	P8139	
Ionomycin Calcium Salt	Sigma-Aldrich	13909	
Saponin from quillaja bark	Sigma-Aldrich	S4521	
LIVE/DEAD Fixable Aqua Dead Cell Stain Kit	Life Technologies	L34957	
Anti-Mouse CD45 Alexa Fluor 700	eBioscience	56-0451-82	
Anti-Mouse CD4 eFluor 450	eBioscience	48-0042-82	
Anti-Mouse TCR beta APC eFluor 780	eBioscience	47-5961-82	
Anti-Mouse gamma delta TCR FITC	eBioscience	11-5711-82	
Anti-Mouse IL-17A APC	eBioscience	12-7311-82	

Anti-Mouse IFN- γ PE	eBioscience	11-5931-82	
Anti-Mouse NK1.1 PE-Cy7	eBioscience	25-5941-82	
Anti-Mouse CD90.2 APC eFluor 780	eBioscience	47-0902-82	
Anti-Mouse CD3e FITC	eBioscience	11-0031-82	
Anti-Mouse CD19 FITC	eBioscience	11-0193-82	
Anti-Mouse CD11b FITC	eBioscience	11-0112-82	
Anti-Mouse CD11c FITC	eBioscience	11-0114-82	
Anti-Mouse TCR beta FITC	eBioscience	11-5961-82	
Anti-Mouse Ly-6G FITC	eBioscience	11-5931-82	
Anti-Mouse Ly-6C FITC	BD Pharmingen	553104	