

Materials List for:

Intra-articular injection of murine MSC for the treatment of inflammation and tissue degradation in Antigen-induced Arthritis.

Alasdair Kay¹, Jim Middleton², Oksana Kehoe³

¹Institute for Science and Technology in Medicine, Keele University

²Faculty of Medicine and Dentistry, University of Bristol

³Keele University

Correspondence to: Alasdair Kay at a.g.kay@keele.ac.uk

URL: <http://www.jove.com/video/52955>

DOI: [doi:10.3791/52955](https://doi.org/10.3791/52955)

Materials

Name	Company	Catalog Number	Comments
Complete Freund's Adjuvant	Sigma-Aldrich	F5881	10ml Each mL contains 1 mg of Mycobacterium tuberculosis (H37Ra, ATCC 25177), heat killed and dried, 0.85 mL paraffin oil and 0.15 mL mannide monooleate.
methyated Bovine Serum Albumin	Sigma-Aldrich	A1009-1G	 Methyl ester of albumin prepared per Mandell, J.D. and Hershey, A.D., Anal. Biochem., 1, 66 (1960).
Dulbecco's Phosphate Buffered Saline (DPBS)	Invitrogen	14190-086	100ml, without calcium, magnesium or phenol red
heat-inactivated Bordetella pertussis toxin	Sigma-Aldrich	P2980	 Aseptically filled solution in 50% glycerol, containing 50 mM TRIS, 10 mM glycine, 0.5 M NaCl, pH 7.5
Iscove's Modified Dulbecco's Medium (IMDM)	Invitrogen	12440-061	With L-glutamine, phenol red, without α -thioglycerol, 2-mercaptoethanol
mouse TNF α ELISA Ready-SET-Go! Kit (eBioscience)	eBioscience	88-7324-22	Recognition of mouse TNF alpha by this assay is not interfered with by 1000x excess soluble TNF alpha receptor type I or II
Eosin	SLS	CHE1916	Eosin Y 24050 C I 4538025g - mixed with Harris Haematoxylin for H&E staining
Haematoxylin (Harris)	Atom Scientific	RRSP67-D	An alum haematoxylin similar to Delafield's formulation, but which uses chemical ripening to produce oxidation of haematoxylin for immediate use.
Toluidine Blue	Atom Scientific	RRSP146-B	A 1% aqueous working solution of Toluidine blue O which can be used to demonstrate Nissl substance and mast cell granules.
Syringe Needle 19G	BD Microlance 3	301750	
Syringe Needle 21G	BD Microlance 3	304432	
Syringe Needle 23G	BD Microlance 3	300700	
Syringe Needle 25G	BD Microlance 3	300600	
Dial indicating outside calliper	Kroeplin GmbH	D4R50	The one in use is no longer currently available so catalog

		number for an equivalent item has been given
--	--	---