

Materials List for:

Induction and Monitoring of Active Delayed Type Hypersensitivity (DTH) in Rats

Christine Beeton¹, K. George Chandy¹

¹Department of Physiology and Biophysics, University of California, Irvine (UCI)

Correspondence to: Christine Beeton at cbeeton@uci.edu, K. George Chandy at gchandy@uci.edu

URL: <https://www.jove.com/video/237>

DOI: [doi:10.3791/237](https://doi.org/10.3791/237)

Materials

Name	Type	Company	Catalog Number	Comments
Complete Freund's adjuvant H37Ra	Reagent	Difco Laboratories	231131	Distributed by Fisher under catalog # DF 311-360-5
Keyhole Limpet hemocyanin	Reagent	Sigma-Aldrich	H-5654	
Ovalbumin	Reagent	Sigma-Aldrich	A-5503	
5 ml glass syringes	Tool	Fisher Scientific	14-823-10 B	Need two 5 ml syringes for each batch of 5 ml of emulsion
18G metal bridge	Tool	Fisher Scientific	14-825-17L	
Lewis rats	Animal	Harlan Laboratories		Female rats 7-9 weeks old
23G 1" needles	Tool	Fisher Scientific	14-826 AA	It is best to change needles between rats
3 ml Luer Lock syringes	Tool	Fisher Scientific	05-561-63	
DPBS	Reagent	GIBCO, by Life Technologies	14040-182	
1 ml regular tip syringes	Tool	Fisher Scientific	22-257-154	
27G 1/2" needles	Tool	Fisher Scientific	14-826-48	
Electric cordless trimmer	Tool	Braintree Scientific, Inc.	CLP-32130	To shave the rats before antigen challenge in the back.

Use sterile solutions reagents and syringes. The glass syringes and 18G bridges can be autoclaved. Read material data sheet before handling a reagent for the first time and wear appropriate protective equipment.