

Materials List for:

The Murine Choline-Deficient, Ethionine-Supplemented (CDE) Diet Model of Chronic Liver Injury

Jully Gogoi-Tiwari¹, Julia Köhn-Gaone¹, Corey Giles², Dirk Schmidt-Arras³, Francis D. Gratte^{1,4}, Caryn L. Elsegood¹, Geoffrey W. McCaughan^{5,6,7}, Grant A. Ramm^{8,9}, John K. Olynyk^{10,11}, Janina E.E. Tirnitz-Parker^{1,12}

¹School of Biomedical Sciences & Curtin Health Innovation Research Institute, Curtin University

²School of Public Health & Curtin Health Innovation Research Institute, Curtin University

³Institute of Biochemistry, Christian-Albrechts-University

⁴School of Veterinary and Life Sciences, Murdoch University

⁵Centenary Institute of Cancer Medicine and Cell Biology, The University of Sydney

⁶Royal Prince Alfred Hospital

⁷A.W. Morrow Gastroenterology and Liver Centre

⁸QIMR Berghofer Medical Research Institute

⁹Faculty of Medicine and Biomedical Sciences, The University of Queensland

¹⁰Fiona Stanley and Fremantle Hospitals

¹¹School of Medical and Health Sciences, Edith Cowan University

¹²School of Medicine and Pharmacology, University of Western Australia

Correspondence to: Janina E.E. Tirnitz-Parker at N.Tirnitz-Parker@curtin.edu.au

URL: <https://www.jove.com/video/56138>

DOI: [doi:10.3791/56138](https://doi.org/10.3791/56138)

Materials

Name	Company	Catalog Number	Comments
Six-week-old male C57BL/6J mice	Animal Resource Centre of Western Australia, Murdoch, WA, Australia	N/A	
10 Kg Steam Cut Wheaten Chaff	Specialty Feeds, Glen Forrest, WA, Australia	N/A	
Water for irrigation 1000ml bottle (Baxter)	Surgical House, Perth, WA, Australia	AHF7114A	
Choline- deficient diet, modified (pellets)	MP Biomedicals Australasia Pty Limited, WA, Australia 02960210		
DL-Ethionine	Sigma-Aldrich, Castle Hill, NSW, Australia	E5139-25G	
Ketamil injection	Troy Laboratories Pty Limited, Glendenning, NSW, Australia	N/A	
Ilum Xylazil-20 injection	Troy Laboratories Pty Limited, Glendenning, NSW, Australia	N/A	
27G x 1/2", Regular Wall Needle	Terumo Australia Pty Limited, NSW, Australia	NN-2713R	
Syringes Terumo 1ml and 10ml	Terumo Australia Pty Limited, Macquarie Park, NSW, Australia	1018242, 1018037	
Tissue-Tek OCT compound	VWR International Pty Limited, Tingalpa, QLD, Australia	25608-930	
Neutral buffered formalin	Amber Scientific, Midvale, WA, Australia	NBF-2.5L	
Ethanol absolute anaLaR normalpur	VWR International Pty Limited, Tingalpa, QLD, Australia	20821.33	
Superfrost Plus slides	Grale Scientific Pty Limited, Ringwood, VIC, Australia	SF41296SP	
Dako Protein Block, serum-free	Dako Australia Pty Limited, North Sydney, NSW, Australia	X090930-2	

Dako antibody diluent	Dako Australia Pty Limited, North Sydney, NSW, Australia	s0809	
rat anti-CD45	eBioscience, San Diego, California, USA	m0701	1/200 dilution
rabbit anti-panCK	Dako Australia Pty Limited, North Sydney, NSW, Australia	Z0622	1/300 dilution
Goat anti-rabbit (Alexa Fluor 488)	Life Technologies Australia Pty Limited, Mulgrave, VIC, Australia	A-11008	1/500 dilution
Goat anti-rat IgG (Alexa Fluor 594)	Life Technologies Australia Pty Limited, Mulgrave, VIC, Australia	A-11007	1/500 dilution
ProLong Gold Antifade Reagent with DAPI	Life Technologies Australia Pty Limited, Mulgrave, VIC, Australia	P36935	
Picrosirius Red Stain Kit	Polysciences Inc., Warrington, PA, USA	ab150681	