

Materials List for

Measurement of Fatty Acid β -Oxidation in a Suspension of Freshly Isolated Mouse Hepatocytes

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Materials

Name	Company	Catalog Number	Comments
(R)-(+)-Etomoxir sodium salt	Tocris Bioscience	4539/10	
[1-14C]-Palmitic acid, 50–60 mCi/ mmol, 0.5 mCi/mL	American Radiolabeled Chemicals	ARC 0172A	
1 M HEPES, sterile	Corning	25060CI	
10 μ L disposable capillaries/pistons for positive displacement pipette	Mettler Toledo	17008604	
1000 μ L, 200 μ L, and 10 μ L pipettes and tips			
5 mL, 10 mL, and 25 mL serological pipettes			
50 mL sterile centrifuge tubes	CellTreat	229421	
70% Perchloric acid	Fisher Scientific	A2296-1LB	
BSA, fatty acid-free	Fisher Scientific	BP9704100	
CaCl ₂ dihydrate	MilliporeSigma	223506	
D-(+)-Glucose	MilliporeSigma	G7021	
EGTA	Gold Biotechnology	E-217	
Ethanol	Pharmco	111000200CSPP	
Filter System, 0.22 μ m PES Filter, 500 mL, Sterile	CellTreat	229707	
Gentamicin sulphate	Gold Biotechnology	G-400-25	
HDPE, 6.5 mL scintillation vials	Fisher Scientific	03-342-3	
Hemocytometer			
Hypodermic needles 22 G, 1.5 in	BD Biosciences	305156	
Isoflurane	VetOne	502017	
KCl	Fisher Scientific	BP366-1	
KH ₂ PO ₄	MilliporeSigma	P5655	
Liberase TM Research Grade	MilliporeSigma	5401119001	Defined blend of purified collagenase I and II with a medium concentration of thermolysin

M199 medium	MilliporeSigma	M5017	
MgSO ₄ heptahydrate	MilliporeSigma	M1880	
Microcentrifuge	Fisher Scientific		accuSpin Micro 17
Microdissecting Scissors	Roboz Surgical Instrument Co	RS-5980	
NaCl	Chem-Impex International	30070	
NaHCO ₃	Acros Organics	424270010	
Palmitic acid	MilliporeSigma	P0500	
Penicillin/streptomycin (100x)	Gibco	15140122	
Phosphate buffered saline (PBS)	Cytiva Life Sciences	SH30256.01	
Positive displacement pipette MR-10, 10 µL	Mettler Toledo	17008575	
Refrigerated centrifuge with inserts for 50 mL conical tubes	Eppendorf		5810 R
Round-bottom, 14 mL, polypropylene culture test tubes	Fisher Scientific	14-956-9A	
Scintillation counter	Perkin Elmer		TriCarb 4810 TR
ScintiVerse BD cocktail	Fisher Scientific	SX18-4	
Shaking water bath, 30 L capacity	New Brunswick Scientific		Model G76
Sterile cell strainers, 100 µm	Fisher Scientific	22363549	
Thumb Dressing Forceps	Roboz Surgical Instrument Co	RS-8120	
Trypan Blue	Corning	25900CI	
Variable-flow peristaltic pump	Fisher Scientific	138762	
Water baths, 2–2.5 L capacity			