

Materials List for

Hepatic Glucose Production, Ureagenesis, and Lipolysis Quantified using the Perfused Mouse Liver Model

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Materials

Name	Company	Catalog Number	Comments
3-way stopcock	BD	394601	
Altromin breeding diet	Altromin Spezialfutter	1319	
Calcium chloride dihydrate (CaCl ₂ ·2H ₂ O)	Sigma	C8106	
Catheters (0.7 mm)	BD	381812	
Filter paper (pore size 2.0 µm)	Millipore	AP2029325	
Glucose kit	QuantiChrom™	DIGL-100	Low concentration protocol
Ketamine	MSD Animal Health	511485	90 mg/kg
Ligature (black sterile silk)	Agnthos	14739	
Magnesium sulfate (MgSO ₄)	Sigma	230391	
Non-esterified fatty acids kit	Fujifilm Wako Chemicals	NEFA-HR(2)	
Operating table, heated on tripod stand, type 873	Harvard Bioscience, Inc.	733776	
Potassium chloride (KCl)	Sigma	P9541	
Potassium dihydrogen phosphate (KH ₂ PO ₄)	Merck	1.04877	
Roller Pump, with four channels	Harvard Bioscience, Inc.	730100	
Sleek tape	Mediq danmark	4001910	
Sodium bicarbonate (NaHCO ₃)	Sigma	S5761	
Sodium chloride (NaCl)	Sigma	S1679	
Thermostatic Circulator	Harvard Bioscience, Inc.	730125	Bath Volume 3 L, 230 V/50 Hz
Tubing	Tygon	E3603	Inner diameter 1.59 mm, outer diameter 3.18 mm
Universal perfusion system	Harvard Bioscience, Inc.	732316	Basic unit uniper UP-100, type 834
Vamin	Fresenius Kabi	B05ABA01	Mixed amino acids
Vessel clamp adaptor	Deutsche Biomedical	DBC1002	

Vessel clamps	Deutsche Biomedical	DBC1005	
Windkessel	Harvard Bioscience, Inc.	732068	
Xylazine	Rompun Vet	530701	10 mg/kg