

Materials List for

# Evaluation of Hepatic Glucose Production in a Polycystic Ovary Syndrome Mouse Model

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jove.com/video/62991

## Materials

Name	Company	Catalog Number	Comments
0.9% sodium chloride solution	McKesson	275595	
10 mL BD Luer-Lok tip syringe	VWR	75846-756	Two syringes per animal (one for isotopic glucose solution, one for glucose-rich isotopic solution)
1-inch clear transpore tape	3M	70200400169	
1-inch Labeling tape	Fisher	GS07F161BA	Brand is example
5 mL syringe containing heparinized saline flush	McKesson	191-MIH-2235	One can also prepare a heparin flush solution (10 units/mL heparin in 0.9% sodium chloride)
5 mm Medipoint Goldenrod animal lancets	Fisher Scientific	NC9891620	5 mm if animal is between 2 and 6 months
Acetone	Sigma-Aldrich	650501	
Advanced hot plate stirrer	VWR	97042-602	Brand is example
BD 27 gauge 0.5 inch needles	Health Warehouse	A283952	
BD 30 gauge 0.5 inch needles	Medvet	305106	
BD Intramedic Polyethylene (PE) tubing 0.28 mm ID x 0.61 mm	VWR	63019-004	
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Beaker, 1000 mL			Any brand
Caging pellets			
Clear VOA glass vials with closed-top cap	Fisher Scientific	05-719-120	For storage of acetone and blood draw samples
Copper toothless alligator clamp for tourniquet	Amazon		Any Brand; smooth toothless alligator clips made of solid copper
D-(+)-glucose>99.5%	Sigma-Aldrich	G8270	
D-glucose (6,6-D2, 99%)	Cambridge Isotope Laboratories, Inc.	DLM-349-PK	
Dow Corning silastic tubing 0.3 mm ID x 0.64 mm OD	VWR	62999-042	

Magnifying glass	Amazon		Any brand; similar to LANCOSC Magnifying Glass with Light and Stand
Microbalance	Ohaus Adventurer Pro	AV264C	Any similar model with 0.0001g accuracy can be used
Nalgene bottle, 500 mL	Sigma-Aldrich	B0158-12EA	Or any Similar brand; saw in half (including lid) and cut tail-sized notch in the bottom
PHD Ultra multi-syringe pump	Harvard Apparatus	70-3024A	
Plexiglass sheet			Any brand; to stabilize mouse during catheter insertion
Plexiglass sheets and dividers			Any brand; used to cage mice during infusion