

Materials List for:

Characterization of Metabolic Status in Nonhuman Primates with the Intravenous Glucose Tolerance Test

Michael Staup¹, George Aoyagi¹, TeQuana Bayless¹, Yixin Wang¹, Keefe Chng¹

¹Cardiovascular and Metabolism Group, Crown Bioscience

Correspondence to: Keefe Chng at keefechng@crownbio.com

URL: <https://www.jove.com/video/52895>

DOI: [doi:10.3791/52895](https://doi.org/10.3791/52895)

Materials

Name	Company	Catalog Number	Comments
Allegra X-15R Centrifuge			plasma: 4 °C at 3,000 rpm for 10 min
Sorvall ST16R Centrifuge			serum: 22 °C at 3,000 rpm for 10 min
Thermo Scientific -86 °C Freezer, Forma 88000 Series		Model: 88500A	
Dextrose 50% (D50)	Webster	07-8008986	I.V. glucose infusate
3 ml Luer Lock Syringe	Midwest Veterinary Supply		serial blood draws
5 ml Luer Lock Syringe	Midwest Veterinary Supply		heparinized saline flush
10 ml Luer Lock Syringe	Midwest Veterinary Supply		delivery of I.V. D50
Gauze sponges 2 x 2	Midwest Veterinary Supply	366.23000.4	Used Dry, w/ 70% Alcohol, and 2% Chlorohex Solution
4 ml serum separator tubes	Midwest Veterinary Supply	366.45000.4	blood collection tube for superchem panel
K ₂ EDTA, 2 ml	VWR	95057-239	blood collection tubes
Aprotinin, 100 mg	Sigma	A1153-100MG	blood collection tube protease additive
22 G x 1" Catheters	Midwest Veterinary Supply	193.75250.2	I.V. catheter
Injection Plug W/ Cap	Midwest Veterinary Supply	001.11500.2	%50 dextrose infusion port
Porus Tape, 1/2" x 10 yd	Midwest Veterinary Supply	001.85000.2	maintain adherence of catheters and hep. Locks
Chlorhexidine Solution 2%	Midwest Veterinary Supply	193.08855.3	prep catheter site
70% Ethanol	VWR	71001-654	prep catheter site
tourniquet	Webster	07-8003432	
3-way stopcock	Midwest Veterinary Supply	366.28510.4	hep. lock
37" extension set	Webster	07-8454200	hep. lock
Exel 50-60cc LL Syringes	Midwest Veterinary Supply	001.12250.2	Heparinized saline flush
250 ml bag 0.9% saline	Webster	07-8365593	flush
1,000 U Heparin, 10 ml	Webster	07-883-4916	
Ketamine (Ketaset) 100 mg/ml	Fort Dodge	(AV ordered)	
Precision Xtra glucose test strips 50/bx	Abbott (American Diabetes Wholesale)	9381599728K7	test baseline/T3 blood glucose levels
Masimo Rad 57	DRE	6052057V	pulse-oximeter
Pavia rectal thermometer	Patterson	07-8391335	
Precision Xtra Glucometer	Abbott	9381599728K7	Handheld glucometer