

Materials List for

# Arteriovenous Metabolomics to Measure *In Vivo* Metabolite Exchange in Brown Adipose Tissue

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## Materials

Name	Company	Catalog Number	Comments
0.5-20 µL Filter Tips	Axygen	AX.TF-20-R-S	
1 mL Syringe with attached needle - 26 G 5/8"	BD Biosciences	309597	
Agilent 5977B GC/MSD (mass selective detector)	Agilent	G7077B	
Agilent 7693A Autosampler	Agilent	G4513A	
Agilent 8890 GC System	Agilent	G3542A	
Agilent J&W GC column (Capillary column) HP-5MS UI	Agilent	19091S-433UI	
Agilent MassHunter Workstation software_MS Quantitative analysis(Quant-My-way)	Agilent	G3335-90240	
C57BL/6J mouse	DBL	C57BL/6JBomTac	
CentriVap -50 °C Cold Trap (with Stainless steel Lid)	LABCONCO	7811041	
DL-Norvaline	Sigma-Aldrich	N7502-25G	
Eppendorf centrifuge 5430R	Eppendorf	5428000210	
Eppendorf Safe-Lock Tubes 1.5 mL	Eppendorf	30120086	
Glass insert 250 µL	Agilent	5181-1270	
Methanol (LC-MS grade)	Sigma-Aldrich	Q34966-1L	
Methoxyamine hydrochloride	Sigma-Aldrich	226904-5G	
Microvette 200 Serum, 200 µL, cap red, flat base	Sarstedt	20.1290.100	
MTBSTFA	Sigma-Aldrich	394882-100ML	
Pyridine(anhydrous, 99.8%)	Sigma-Aldrich	270970-100ML	
Refrigerated CentriVap Complete Vacuum Concentrators	LABCONCO	7310041	
Rodent diet	SAFE	SAFE R+40-10	

Rodent incubator	Power scientific	RIT33SD	
Ultra-Fine Pen Needles - 29 G 1/2"	BD Biosciences	328203	
Vial Cap 9 mm	Agilent	5190-9067	
Vial, ambr scrw wrtn 2 mL	Agilent	5190-9063	
Vial, ambr scrw wrtn 2 mL+A2:C40	Axygen	PCR-02-C	