

Materials List for:

Mouse Adipose Tissue Collection and Processing for RNA Analysis

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Materials

Name	Company	Catalog Number	Comments
1 mL seringes			
1X TE solution (10 mM Tris-HCl and 1 mM EDTA•Na ₂ . pH 8.0)			
22 G needles			
26 G needles			
75% Ethanol			
Block heater (dry bath)			
Chloroform	Sigma	C2432-500mL	
dATP	Thermo scientific	R0141	
dCTP	Thermo scientific	R0151	
dGTP	Thermo scientific	R0161	
DNase I (1 U/μl)	Thermo scientific	EN0521	
dTTP	Thermo scientific	R0171	
Faststart Universal SYBR green Master (Rox)	Roche	4913922001	
Faststart universal SYBR green master (Rox) fluorescent dye	Roche	4913914001	
Filtered tips			
Forceps	Instrumentarium	HB275	
Gauze			
Hammer			
High fat rodent diet	Bio-Serv, Frenchtown, NJ	F3282	
Isopropanol	Laboratoire MAT	IH-0101	
Leptin forward PCR primer (5'-GGGCTTCACCCCATCTGA-3') 10 uM			
Leptin reverse PCR primer (5'-GGCTATCTGCAGCACATTTTG-3') 10 uM			
Liquid nitrogen			
Maxima Reverse Transcriptase (enzyme and 5x buffer)	Thermo scientific	EP0742	
Nanopure water (referred as ultrapure water)			
Nitrile examination gloves			
Nitrile gloves			

Normal rodent diet	Harlan Laboratories, Madison, WI	Harlan 2018	
P1000 pipetman			
P2 pipetman			
P20 pipetman			
P200 pipetman			
Phenol solution (TRIzol)	Ambion Life Technologies	15598018	
Pre-identified aluminium foil			
Quartz spectrophotometer cuvette			
Rack for PCR tube strips			
Racks for RT-PCR tube strips			
Random hexamers	Invitrogen	58875	
Real-time PCR Rotor Gene system	Corbett research	RG-3000 Rotor-Gene thermal cyclor	
Refrigerated bench-top centrifuge			
RiboLock RNase Inhibitor	Thermo scientific	EO0381	
RNase-free 1.5 mL eppendorf tubes			
RNase-free 1.5 mL screw cap tubes			
RNase-free PCR tube strips (0.2 mL) and caps			
RNase-free water	Hyclone	SH30538.02	
RT-PCR machine	Qiagen	Rotor-Gene Corbett 3000	
RT-PCR tube strips (0.1 mL) and caps			
S16 forward PCR primer (5'-ATCTCAAAGGCCCTGGTAGC-3') 10 uM			
S16 reverse PCR primer (5'-ACAAAGGTAAACCCCGATCG-3') 10 uM			
Spectrophotometer	Biochrom	Ultrospec 3100 pro	
Stainless steel mortar and pestle			
Surgical pads	Home made a foam board wrapped in a disposable absorbent underpad		
Surgical scissors	Intrumentarium	130.450.11	
Thermal cyclor			
Thermal cyclor	Biometra	Thermocyclor	
Vortex mixer			
Weighing spatula			