

Materials List for

Three-Dimensional Adipocyte Culture as a Model to Study Cachexia-Induced White Adipose Tissue Remodeling

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Materials

Name	Company	Catalog Number	Comments
3-Isobutyl-1-methylxanthine	Sigma-Aldrich (St. Louis, MO, USA)	I-5879	Cell culture
96-Well Bioprinting Kit, black	Greiner (Monroe, NC, USA)	655841	Cell culture
Alexa Fluor 647 AffiniPure F(ab') ₂ Fragment Donkey Anti-Rabbit IgG (H +L)	Jackson ImmunoResearch	711-606-152	Immunofluorescence staining, secondary, 1:400 in TBS with 0.1% Tween-20
CELL CULTURE MICROPLATE, 96 WELL, PS, F-BOTTOM, µCLEAR, BLACK, CELLSTAR, CELL-REPELLENT SURFACE, LID, STERILE, 8 PCS./BAG	Greiner (Monroe, NC, USA)	655976	Cell culture
Dexamethasone	Sigma-Aldrich (St. Louis, MO, USA)	D-1756	Cell culture
DMEM	Corning (Manassas, VA, USA)	10-017-CV	Cell culture
Fetal Bovine Serum (Tova)	Gemini Bio (West Sacramento, CA)	100-500	Cell culture
Indomethacin	Sigma-Aldrich (St. Louis, MO, USA)	I-7378	Cell culture
Insulin	Sigma-Aldrich (St. Louis, MO, USA)	I0516	Cell culture
LL/2 (LLC1) (ATCC CRL-1642)	American Type Culture Collection (Manassas, VA, USA)	CRL-1642	Lewis Lung Carcinoma cell line
NanoShuttle-PL	Greiner (Monroe, NC, USA)	657843	Cell culture
NucBlue Fixed Cell ReadyProbes Reagent (DAPI)	ThermoFisher (Waltham, MA, USA)	R37606	Immunofluorescence staining, following the manufacturer's instructions
Pen strep	Corning (Manassas, VA, USA)	30-002-CI	Cell culture
Perilipin-1 (D1D8) XP Rabbit mAb	Cell Signaling Technology (Danvers, MA, USA)	9349	Immunofluorescence staining, primary, 1:1000 in TBS with 0.1% Tween-20
Rosiglitazone	Sigma-Aldrich (St. Louis, MO, USA)	R-2408	Cell culture
Trypsin-EDTA, 0.05%	Corning (Manassas, VA, USA)	25-052-CI	Cell culture
Reverse-transcription PCR primers			
Primer	Forward	Reverse	

<i>Adipoq</i>	GTTCCCAATGTACCCATTTCGC	TGTTGCAGTAGAACTTGCCAG	
<i>Col4a1</i>	TCCAAGGGCGAAGTGGGTTT	ACCCCTTGCTCGCCTTTGACT	
<i>Cyclophilin a</i>	ATGGCACTGGCGGCAGGTCC	TTGCCATTCTGGACCCAAA	
<i>Fabp4</i>	TGGTGACAAGCTGGTGGTGAATG	TCCAGGCCTCTTCCTTTGGCTCA	
<i>Fn1</i>	GCTTCCCCAACTGGTTACCCT	GGGTTGGTGATGAAGGGGGT	
<i>Pgc1a</i>	GAAAACAGGAACAGCAGCAGAG	GGGGTCAGAGGAAGAGATAAAG	
<i>Ucp1</i>	TCCTAGGGACCATCACCAACC	AGCCGGCTGAGATCTTGTTC	
Mouse genotyping			
Primer name	Description	Sequence	
Cre F	Generic Cre forward	GCG GTC TGG CAG TAA AAA CTA TC	
Cre R	Generic Cre reverse	GTG AAA CAG CAT TGC TGT CAC TT	
olMR7318	mT/mG forward	CTC TGC TGC CTC CTG GCT TCT	
olMR7319	mT/mG wild type reverse	CGA GGC GGA TCA CAA GCA ATA	
olMR7320	mT/mG mutant reverse	TCA ATG GGC GGG GGT CGT T	
WH336	UCP1 mutant forward	CAA TCT GGG CTT AAC GGG TCC TC	
WH337	UCP1 mutant reverse	GTT GCA TCG ACC GGT TAA TGC AG	
WH338	UCP1 wild type forward	GGT CAG CCT AAT TAG CTC TGT	
WH339	UCP1 wild type reverse	GAT CTC CAG CTC CTC CTC TGT C	