

Materials List for:

A Cryo-Pulverization Protocol for Processing Mouse Paws to Evaluate Molecular Pathways of Tissue Inflammation in a Collagen Induced Arthritis Model

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Materials

Name	Company	Catalog Number	Comments
5 mm stainless steel bead	Qiagen	69989	
beta-mercaptoethanol	Sigma	M6250	Sample reducing agent that inhibits RNASE enzymes
Bioanalyzer Kit	Agilent	5067-1511	RNA qualification kit
b-mercaptoethanol	Sigma	M6250	
Cell Culture Grade Water	Corning	25-055-CI	Water
Cell lysis stock solution	Cell Signaling	9803	
Eppendorf Tube	Eppendorf	22363204	Microfuge tubes
Eppendorf tube centrifuge box	Nalgene	5055	Box for holding eppendorf tubes in horizontal tube arrangement
Everlast 247 Variable Speed Rocker	Benchmark Scientific	BR5000	
Freezer Mill	Spex Sample Prep	6875	Freezer/Mill for processing paws into pulverized powder
Grinding Vial	Spex Sample Prep	6801	Polycarbonate vial for processing paws into pulverized powder
Pierce BCA kit	Pierce	23225	Kit for Total Protein Quantification
Protease Inhibitor Cocktail set 1	Calbiochem	539131	Protease Inhibitors
Protein BCA Kit	Pierce	23225	
Quantigene Kit	Thermofisher	QP1013	bDNA analysis Kit
Refrigerated microcentrifuge	Eppendorf	5417R	Centrifugation
RLT Buffer	Qiagen	79216	RNA extraction buffer
RNeasy mini kit	Qiagen	74104	including RNeasy column, RLT Buffer and RW1 Buffer
Shaker	Benchmark Scientific	BR5000	Rocker/Shaker
Spatula	VWR	10806-412	Spatula for powder transfer
Stainless Steel Bead	Qiagen	69989	Bead for mixing during protein extraction
Tube Extractor	Spex Sample Prep	6884	Extractor for removing the top of grinding vial
Vortexer	VWR	10153-838	Sample mixing