

Materials List for:

# A Filtration-based Method of Preparing High-quality Nuclei from Cross-linked Skeletal Muscle for Chromatin Immunoprecipitation

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## Materials

Name	Company	Catalog Number	Comments
<b>Materials</b>			
Formaldehyde solution	Sigma Aldrich	F8775	
Glycine	Fisher Scientific	BP381-5	
Trypan Blue solution (0.4%)	Fisher Scientific	15250061	
RNase A	Sigma Aldrich	10109142001	
Protease K	Sigma Aldrich	3115887001	
Chicken Anti-BMAL1 antibody			Generated in chicken (Cocalico Biologicals) against antigen aa 318 - 579, and IgY was affinity purified using the same antigen.
Chicken IgY Precipitating Resin	GenScript	L00405	
<b>Equipment</b>			
KINEMATICA Polytron PT2100 Benchtop Homogenizer	Fisher Scientific	08-451-178	
15 mL Dounce tissue grinder	Wheaton	357544	
Falcon Cell Strainers 100 µm	Fisher Scientific	08-771-19	
Falcon Cell Strainers 70 µm	Fisher Scientific	08-771-1	
Falcon Cell Strainers 40 µm	Fisher Scientific	08-771-2	
pluriStrainer 30 µm	PluriSelect	43-50030-03	
pluriStrainer 20 µm	PluriSelect	43-50020-03	
pluriStrainer 10 µm	PluriSelect	43-50010-03	
Covaris S2 Focused-ultrasonicator	Covaris	Model S2	
Labquake	Thermo Scientific	C415110	
CCD Microscope Camera	Leica Microsystems	DFC3000 G	
<b>Reagent Kit</b>			
DNA extraction kit	Thermo Scientific	K0691	
<b>Buffers</b>			
All buffer components are described in the protocol. Each component was purchased from Sigma Aldrich			