

Chromatin Extraction from Frozen Chimeric Liver Tissue for Chromatin Immunoprecipitation Analysis

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Materials

Name	Company	Catalog Number	Comments
0.22µm sterile syringe filter	Labsolute	7699822	
1.5 mL Safeseal tubes	Sarstedt	7,27,06,400	
6x orange loading dye	ThermoFisher	R0631	
Benchtop refrigerated centrifuge			
Bioruptor NGS	Diagenode		
Blade or Scalpel			
Calcium chloride dihydrate	Carl Roth	HN04	
Chloroform	Sigma Aldrich (Merck)	C2432	
cOmplete Protease Inhibitor Cocktail	Roche	11697498001	
Deacetylase Inhibitor	Active Motif	37494	
Dounce tissue grinder set	Sigma Aldrich (Merck)	DWK885300-0001-1EA	
EDTA 500 mM solution	PanReac AppliChem	A4892	
EGTA	Sigma Aldrich (Merck)	E4378	
EtBr	Carl Roth	2218	Concentration 10mg/mL
Ethanol absolute	CHEMSOLUTE	2273	
Glycerol	Sigma Aldrich (Merck)	G9012	
Glycin	Carl Roth	0079	
Glycogen	Roche	10901393001	Concentration: 20mg/mL
Heating block			
HEPES	Sigma Aldrich (Merck)	H4034	
LE Agarose	Biozym	840000	
Liquid nitrogen cooled mini mortar	Bel-Art	H37260-0100	
MeOH free Formaldehyde 16%	ThermoFisher	28908	
NP-40	Roche	11332473001	
PBS 1x	ThermoFisher	10010015	
Pefabloc SC-Protease-Inhibitor	Sigma Aldrich (Merck)	11429868001	
Phase Lock Gel - Heavy	QuantaBio	2302830	

Phenol:Chloroform:Isoamyl alcohol 25:24:1	Sigma Aldrich (Merck)	P3803	
Potassium chloride	Carl Roth	6781	
Potassium hydroxyde	Merck	105033	
Proteinase K	Lucigen	MPRK092	Concentration: 50 µg/µL
RNase A	Lucigen	MRNA092	Concentration: 5 mg/mL
SDS 10% solution	PanReac AppliChem	A3950	
Sodium carbonate anhydrous	Carl Roth	A135	
Sodium chloride	Sigma Aldrich (Merck)	S7653	
Sterile Petri dishes	Sarstedt	83,39,02,500	
Tris-HCl solution	Sigma Aldrich (Merck)	T2694	
Triton-X100	Sigma Aldrich (Merck)	X100	