

Materials List for:

Epigenetic Regulation of Cardiac Differentiation of Embryonic Stem Cells and Tissues

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Materials

Name	Company	Catalog Number	Comments
Formaldehyde	Sigma	F8775	Cell Fixation
Glycine	Sigma	G8898	Cross-link stop
Aprotinin	Fluka	10820	Proteases inhibitor
Leupeptin hemisulfate	Sigma	L2882	Proteases inhibitor
PMSF	Sigma	P7626	Proteases inhibitor
Protein A magnetic beads	Life technologies	10001D	Immunoprecipitation
SPRI magnetic beads	Thermo Scientific	15002-01	DNA purification
Proteinase K	Life technologies	25530-015	Protein digestion
DNA BR standard	Life technologies	Q32850	Calibration range
Syber green	Molecular Probes	S-11484	DNA quantification
TE buffer	Invitrogen	P7589	DNA quantification
PBX 1x	Life technologies	14190-094	Washing
DNase RNase free water	Life technologies	10977-035	Dilution
Axygen tube	Axygen	MCT-175-C	ChIP purification
Antibody	Company	Reference	ChIP concentration
H3K27ac	Abcam	ab4729	3 µg for ESC and EBs, 1 µg for tissues
H3K4me1	Diagenode	C15410194 (pAb-194-050)	3 µg for ESC and EBs, 1 µg for tissues
H3K36me3	Diagenode	C15410058 (pAb-058-050)	3 µg for ESC and EBs, 1 µg for tissues
H3K9me2	Diagenode	C15410060 (pAb-060-050)	3 µg for ESC and EBs, 1 µg for tissues
H3K4me3	Diagenode	C15410030 (pAb-030-050)	3 µg for ESC and EBs, 1 µg for tissues
H3K27me3	Diagenode	C15410069 (pAb-069-050)	3 µg for ESC and EBs, 1 µg for tissues