

Materials List for:

Single Oocyte Bisulfite Mutagenesis

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Materials

Name	Company	Catalog Number	Comments
Oocyte Collection			
Hyaluronidase	Sigma	H4272	
Acidic Tyrode	Sigma	T1788	
Proteinase K	Sigma	P5568	
10% IGEPAL	Bioshop	NON999.500	
Lysis Solution			
Tris pH 7.5	Bioshop	TRS001.5	
LiCl	Sigma	L9650	
EDTA pH 8.0	Sigma	E5134	
LiDS	Bioshop	LDS701.10	
DTT	Invitrogen	P2325	
SDS Lysis Buffer			
TE pH 7.5	Bioshop(Tris)Sigma (EDTA)	TRS001.5 E5134	
10% SDS	Bioshop	SDS001.500	
Bisulfite Conversion			
Sodium Hydroxide	Sigma	S8045	
Sodium Hydrogensulfite (Sodium Bisulfite)	Sigma	243973	
Hydroquinone	Sigma	H9003	
Low Melting Point (LMP) Agarose	Sigma	A9414	
Mineral Oil	Sigma	M8410	
M2 Medium	Sigma	M7167	
GIBCO Distilled water	Invitrogen	15230-196	
Autoclaved double distilled (dd) water			
PCR			
Illustra Hot Start Mix RTG	GE Healthcare	28-9006-54	
240 ng/ml yeast tRNA	Invitrogen	15401-011	
Inner and outer nested primers	Sigma		
Ligation			
Promega pGEM-T Easy Vector	Fisher Scientific	A1360	
TA Cloning			
Competent <i>E. coli</i> cells	Zymo Research Corp.	T3009	
Equipment			

Dissecting Microscope			
70 °C and 90 °C Heat Blocks			
37 °C and 50 °C Waterbaths (42 °C for transformations)			
Rocker			
PCR machine			