

Materials List for:

Selective Capture of 5-hydroxymethylcytosine from Genomic DNA

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Materials

Name	Company	Catalog Number	Comments
Reagents			
5M Sodium chloride (NaCl)	Promega	V4221	
0.5M pH8.0 Ethylenediaminetetraacetic acid (EDTA)	Promega	V4231	
1M Trizma base (Tris) pH7.5	Invitrogen	15567-027)	
HEPES 1M, pH7.4	Invitrogen	15630	
Magnesium chloride (MgCl ₂) 1M	Ambion	AM9530G	
Dimethyl sulfoxide (DMSO)	Sigma	D8418	
Tween 20	Fisher BioReagents	BP337-100	
DBCO-S-S-PEG3-Biotin conjugate	Click Chemistry Tools	A112P3	
1,4-Dithiothreitol, ultrapure (DTT) Superpure	Invitrogen	15508-013	
QIAquick Nucleotide Removal Kit	Qiagen	28304	
Micro Bio-Spin 6 Column	Bio-Rad	732-6222	
Dynabeads MyOne	Invitrogen	650-01	
Streptavidin C1			
Qiagen MinElute PCR Purification Kit	Qiagen	28004	
UltraPure Agarose	Invitrogen	16500500	
UDP-6-N ₃ -glucose	Active Motif	55013	
Enzyme			
β-glucosyltransferase (β-GT)	New England Biolab	M0357	
Equipment			
Sonication device	Covaris		
Desktop centrifuge			
Water bath	Fisher Scientific		
Gel running apparatus	Bio-Rad		
NanoDrop1000	Thermo Scientific		
Labquake Tube Shaker	Barnstead		
Labquake Tube Shaker	Thermolyne		
Magnetic Separation Stand	Promega	Z5342	
Qubit 2.0 Fluorometer	Invitrogen		
Reagent setup 10 X β-GT Reaction Buffer (500 mM HEPES pH 7.9, 250 mM MgCl ₂) 2 X Binding and washing (B&W) buffer (10 mM Tris pH 7.5, 1 mM EDTA, 2 M NaCl, 0.02% Tween 20).			