

Materials List for:

# Automating ChIP-seq Experiments to Generate Epigenetic Profiles on 10,000 HeLa Cells

Geoffrey Berguet<sup>1</sup>, Jan Hendrickx<sup>1</sup>, Celine Sabatel<sup>1</sup>, Miklos Laczik<sup>1</sup>, Sharon Squazzo<sup>2</sup>, Ignacio Mazon Pelaez<sup>2</sup>, Rini Saxena<sup>2</sup>, Helene Pendeville<sup>1</sup>, Dominique Poncelet<sup>1</sup>

<sup>1</sup>Diagenode S.A.

<sup>2</sup>Diagenode Inc.

Correspondence to: Ignacio Mazon Pelaez at [ignacio.mazon@diagenode.com](mailto:ignacio.mazon@diagenode.com), Rini Saxena at [rsa@diagenode.com](mailto:rsa@diagenode.com)

URL: <https://www.jove.com/video/52150>

DOI: [doi:10.3791/52150](https://doi.org/10.3791/52150)

## Materials

Name	Company	Catalog Number	Comments
PBS	Life technologies	14190-094	
Trypsin-EDTA	Sigma	T3924-100ML	
Formaldehyde 37%	Sigma	F8775-25	
1.25 M Glycine Solution	Diagenode	C01020010	Component of the ideal ChIP-seq kit
Lysis Buffer iL1	Diagenode	C01020010	Component of the ideal ChIP-seq kit
Lysis Buffer iL2	Diagenode	C01020010	Component of the ideal ChIP-seq kit
Shearing Buffer iS1	Diagenode	C01020010	Component of the ideal ChIP-seq kit
Protease Inhibitors Mix (200x)	Diagenode	C01010130	Component of the Auto True Micro ChIP kit
HBSS (no calcium, no magnesium, no phenol red)	Life technologies	14175-053	
Lysis Buffer tL1	Diagenode	C01010130	Component of the Auto True Micro ChIP kit
ChIP Buffer tC1	Diagenode	C01010130	Component of the Auto True Micro ChIP kit
ideal ChIP-seq kit	Diagneode	C01010051	
ChIP-Buffer H	Diagenode	C01010020	Component of the Auto Histone ChIP-seq kit
Auto Histone ChIP-seq kit	Diagenode	C01010020	
Auto True Micro ChIP kit	Diagenode	C01010130	
H3K79me3 polyclonal antibody-Classic	Diagenode	C15310068	
H3K27me3 polyclonal antibody-Classic	Diagenode	C15410069	
H3K4me3 polyclonal antibody-Classic	Diagenode	C15410030	
H3K4me2 polyclonal antibody-Classic	Diagenode	C15410035	
H3K9ac polyclonal antibody-Premium	Diagenode	C15410004	
H3K9/14ac polyclonal antibody-Premium	Diagenode	C15410200	
H3K36me3 polyclonal antibody-Premium	Diagenode	C15410058	

H3K9me3 polyclonal antibody-Premium	Diagenode	C15410193	
Rabbit IgG	Diagenode	C15410206	
Protein-A coated paramagnetic beads	Diagenode	C01010020	
Auto IPure	Diagenode	C03010010	
MicroChIP DiaPure columns	Diagenode	C03040001	
Universal SyberGreenMaster Mix 1.25 ml	Diagenode	DMMLD2D100	
Quant-IT dsDNA	Invitrogen	Q32854	
Illumina Sample Preparation kit fro Genomic DNA	Illumina	FC-121-3001	
Illumina True-seq kit ChIP library Prep kit	Illumina	IP-202-1012	
MicroPlex Library Preparation Kit	Diagenode	C05010010	
Agencourt AMPure XP beads	Beckman Coulter	A63881	
Illumina Library prep Quantification kit	Kapa Biosystems	KK4844	
IP-Star Compact Automated System	Diagenode	B03000002	
Bioruptor Plus	Diagenode	B01020001	
Bioruptor Pico	Diagenode	B01060001	
Qubit system	Invitrogen	Q32857	
Illumina Hiseq systems	Illumina		