

Materials List for:

# Genome-wide Determination of Mammalian Replication Timing by DNA Content Measurement

Yishai Yehuda<sup>1</sup>, Britny Blumenfeld<sup>1</sup>, Dan Lehmann<sup>2</sup>, Itamar Simon<sup>1</sup>

<sup>1</sup>Dept. of Microbiology and Molecular Genetics, IMRIC, Faculty of Medicine, Hebrew University of Jerusalem

<sup>2</sup>The Core Research Facility, IMRIC, Faculty of Medicine, Hebrew University of Jerusalem

Correspondence to: Itamar Simon at [itamarsi@ekmd.huji.ac.il](mailto:itamarsi@ekmd.huji.ac.il)

URL: <https://www.jove.com/video/55157>

DOI: [doi:10.3791/55157](https://doi.org/10.3791/55157)

## Materials

Name	Company	Catalog Number	Comments
PBS	BI (Biological Industries)	02-023-1A	
Trypsin-EDTA	BI (Biological Industries)	03-052-1B	
15 mL conical tube	Corning	430790	
5 mL Polystyrene round Bottom tube with cell strainer cap	BD-Falcon	352235	
Ethanol	Gadot	64-17-5	
RNAse-A 10 mg/mL	Sigma	R4875	
Propidium iodide 1 mg/mL	Sigma	P4170	
Parafilm	Parafilm	PM-996	
1.5 mL DNA LoBind Eppendorf tubes	Eppendorf	22431021	
BSA	Sigma	A7906	
1.7 mL MaxyClear tube	Axygen	MCT-175-C	
magnetic beads - Agencourt AMPure XP	Beckman Coulter	A63881	
Ultrasonicator	Covaris	M-series -530092	
50 µL microTUBE AFA Fiber Screw-Cap 6 x 16 mm	Covaris	520096	
Qubit fluorometer	Invitrogen		
Qubit dsDNA High Sensitivity (HS) Assay Kit	Invitrogen	Q32854	
Electrophoresis 2200 Tape station system	Agilent	D1000 ScreenTape	
Sequencing - Illumina NextSeq system	Illumina	SY-415-1001	
Dneasy kit for DNA purification	Qiagen	69504	
PureProteom Magnetic Stand	Millipore	LSKMAGS08	
Anti-BrdU/FITC	DAKO	F7210	
FACS sorter	BD	FACSAria III	
FACS software	BD	FACSDiva v 8.0.1	