

Materials List for:

Detecting Somatic Genetic Alterations in Tumor Specimens by Exon Capture and Massively Parallel Sequencing

Helen H Won¹, Sasinya N Scott¹, A. Rose Brannon¹, Ronak H Shah¹, Michael F Berger^{1,2}

¹Department of Pathology, Memorial Sloan-Kettering Cancer Center

²Human Oncology and Pathogenesis Program, Memorial Sloan-Kettering Cancer Center

Correspondence to: Michael F Berger at bergerm1@mskcc.org

URL: <https://www.jove.com/video/50710>

DOI: [doi:10.3791/50710](https://doi.org/10.3791/50710)

Materials

Name	Company	Catalog Number	Comments
NEBNext End Repair Module	New England Biolabs	E6050L	
NEBNext dA-Tailing Module	New England Biolabs	E6053L	
NEBNext Quick Ligation Module	New England Biolabs	E6056L	
Agencourt AMPure XP	Beckman Coulter Genomics		
NEXTflex PCR-Free Barcodes – 24	Bioo Scientific	514103	
HiFi Library Amplification Kit	KAPA Biosystems	KK2612	
COT Human DNA, Fluorometric Grade	Roche Diagnostics	05 480 647 001	
NimbleGen SeqCap EZ Hybridization and Wash kit	Roche NimbleGen	05 634 261 001	
SeqCap EZ Library Baits	Roche NimbleGen		
QIAquick PCR Purification Kit	Qiagen	28104	
Qubit dsDNA Broad Range (BR) Assay Kit	Life Technologies	Q32850	
Qubit dsDNA High Sensitivity (HS) Assay Kit	Life Technologies	Q32851	
Agilent DNA HS Kit	Agilent Technologies	5067-4626, 4627	
Agilent 2100 Bioanalyzer	Agilent Technologies		
Covaris E220	Covaris		
Magnetic Stand-96	Ambion	AM10027	
Illumina Hi-Seq 2000	Illumina		