

Materials List for

**Zinc Finger Nuclease-Based Genome Editing: A Technique for Modifying Genome in Human Pluripotent Stem Cells by Double-Stranded Homology Dependant Repair Mechanism**

1  
?

URL: <https://www.jove.com/video/20972>  
DOI: [doi:10.3791/20972](https://doi.org/10.3791/20972)

**Materials**

Name	Company	Catalog Number	Comments
DMEM/F12	Life Technologies	11320082	
Fetal Bovine Serum (HI)	Life Technologies	10082-147	
Knockout Serum	Life Technologies	10828-028	
Fibroblast Growth Factor - basic	Life Technologies	PHG0261	
Pen/Strep	Life Technologies	15140-122	
Glutamine	Life Technologies	25030-081	
MEM NEAA	Life Technologies	11140-050	
2-mercaptoethanol	Life Technologies	21985-023	
Y-27632	Calbiochem	688000	
6-well plates	Corning	3506	
4 mm Electroporation cuvettes	Bio-rad	165-2081	
X-cel gene pulser II	Bio-rad	165-2661	
0.25% Trypsin-EDTA	Life Technologies	25200-056	
10× Phosphate buffered saline (PBS) pH7.4	Life Technologies	70011-044	
Puromycin	Life Technologies	A11138-02	