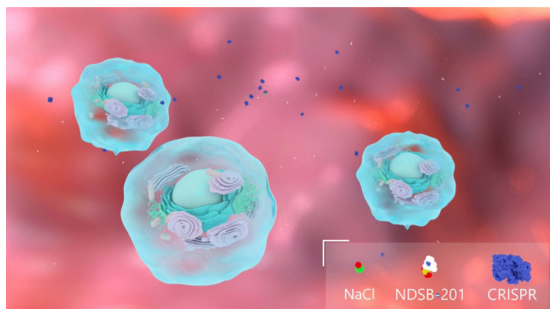


iTOP-mediated gene editing in HEK293 cells

Technology

iTOP technology enables high efficiency transduction of Cas9 and guide RNA into HEK293 cells, resulting in **genome editing efficiencies of $\pm 85\%$** .

iTOP is a simple, single-step, **45-minute procedure**.



Workflow

DAY 1

45 minutes of iTOP in a 50-70% confluent well of a 96-well plate

Target: B2M
GAAGTTGACTTACTGAAGAA

DAY 3

Split cells into two wells of a 24-well plate

DAY 6

Flow cytometry
Fluorescent staining of MHC1
&
Genomic DNA isolation

DAY 7

PCR and gel purification
&
Sanger sequencing



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