

Recommended lentivirus MOI for common cell lines

What is MOI and what MOI should be used for your cell line? MOI stands for Multiplicity Of Infection; the number of lentiviral particles per cell.

The optimal MOI for each cell line varies. For each cell line, a range of MOI from 5-100 needs to be tested using a positive control particles containing a fluorescent protein marker, such as OriGene's GFP control lentiviral particle (cat# [PS100071V](#)).

The chart below shows the recommended MOI for common cell lines as a point of reference.

Cell lines	Recommended MOI
A549	40
C2C12	200
Caco2	100
HCT116	20
HEK293T	20
Hela	80
Hep3B	50
HuH7	20
Jurkat	40
MCF-7	60
NK92	50
PC3	40
SH-SY5Y	5
SKNMC	20
THP1	80
U2OS	20