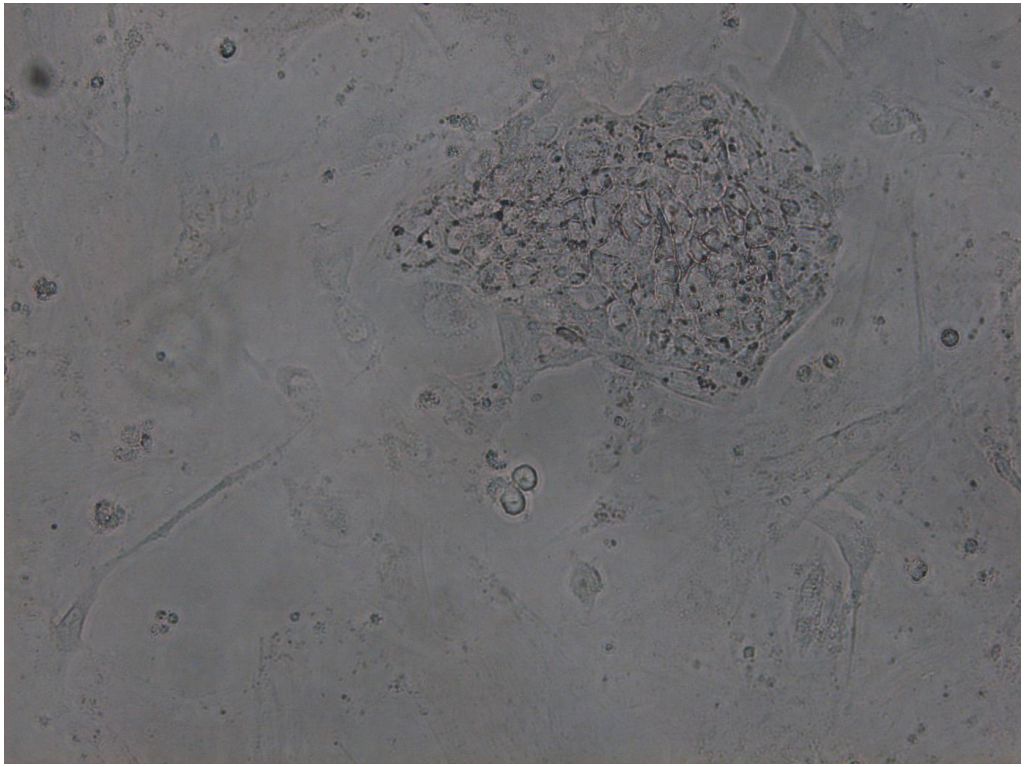
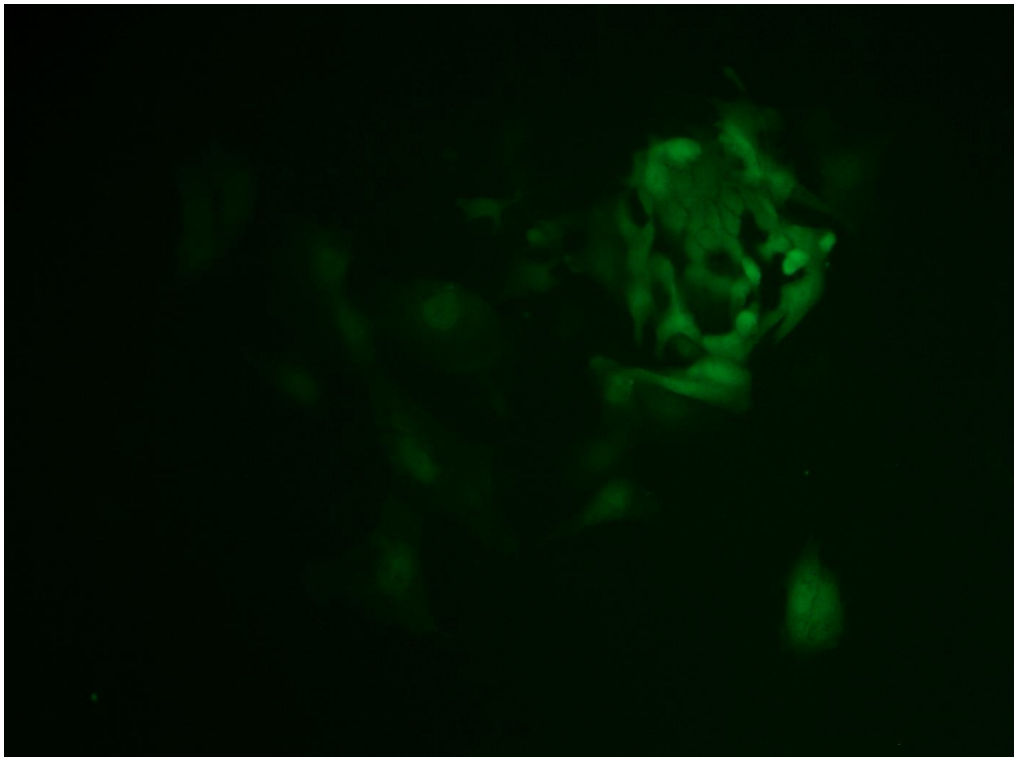
Human iPS cells

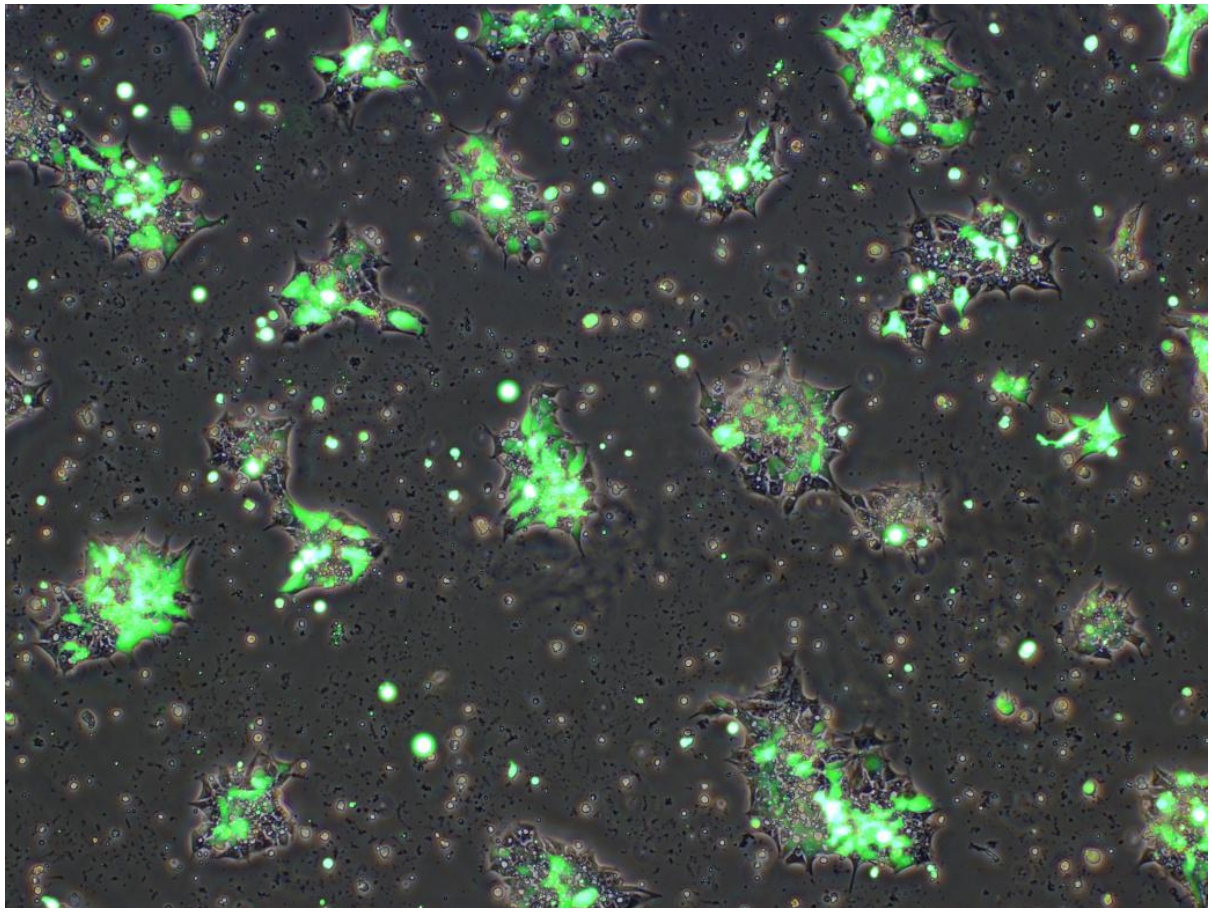




Pictures: 7 days after electroporation

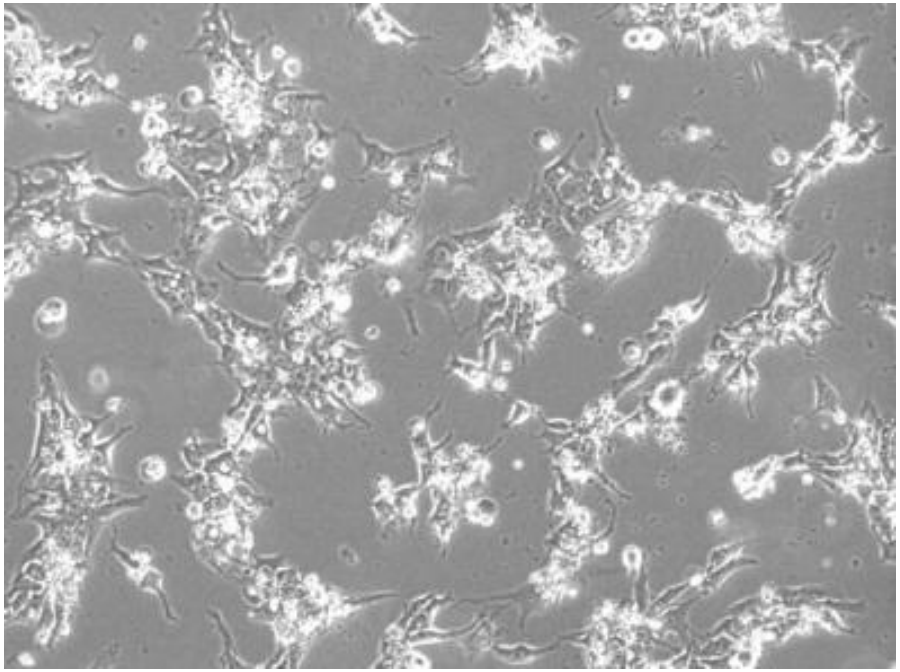
After the cells are subcultured, GFP expression is still shown in the iPS cell colonies.

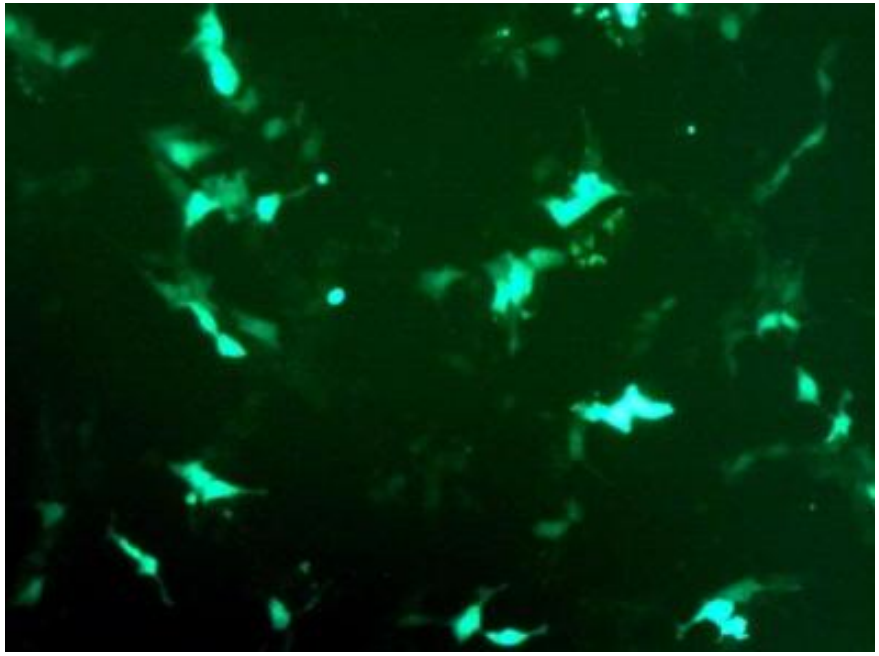
Human iPS cells



Pictures: 3 days after electroporation

Human iPS cells



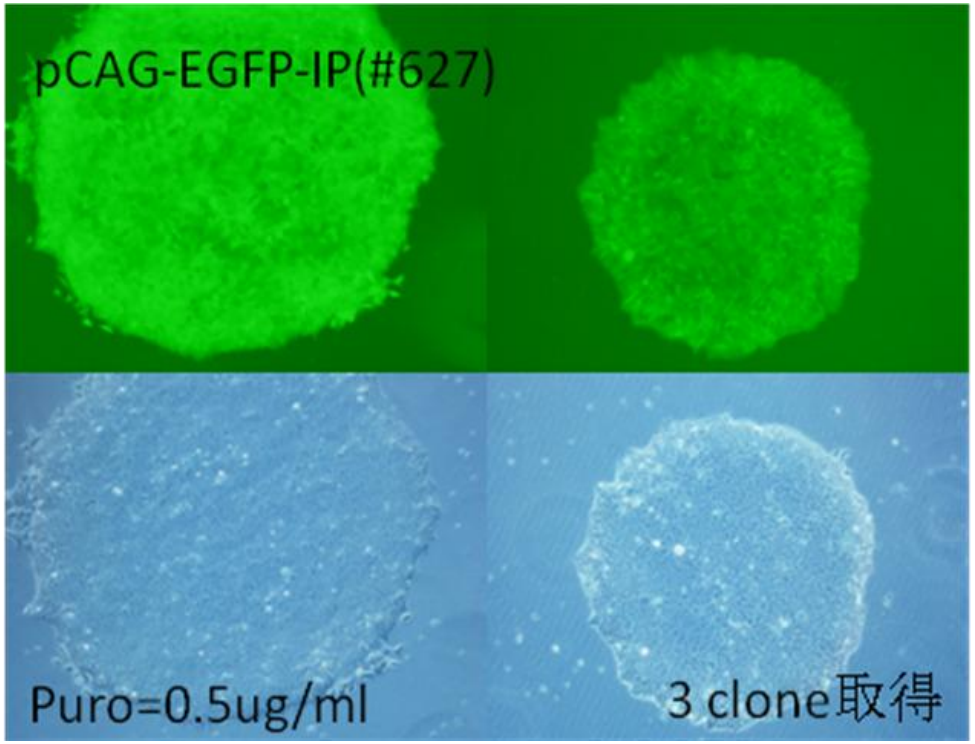


TE: 73%

V: Viability TE: Transfection Efficiency

Feeder free culture after electroporation

Human ES cells



Transgene expressing SEES3 via NEPA21

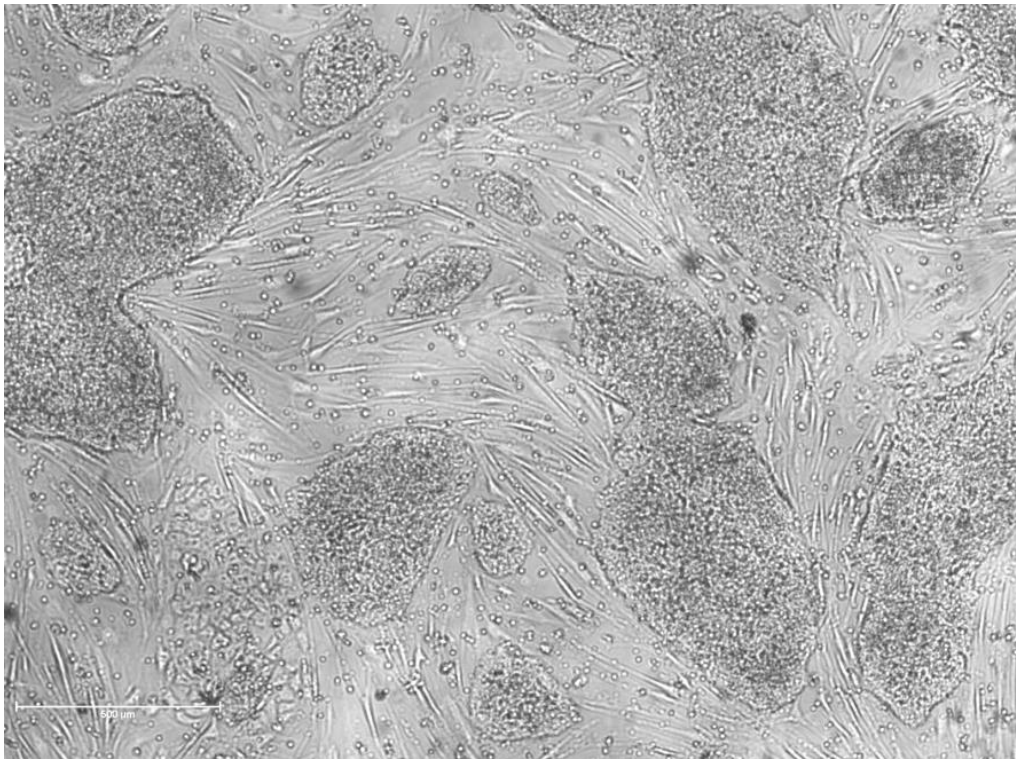
SEES3 in StemPro　3.5x10^5/EP+ linearized DNA

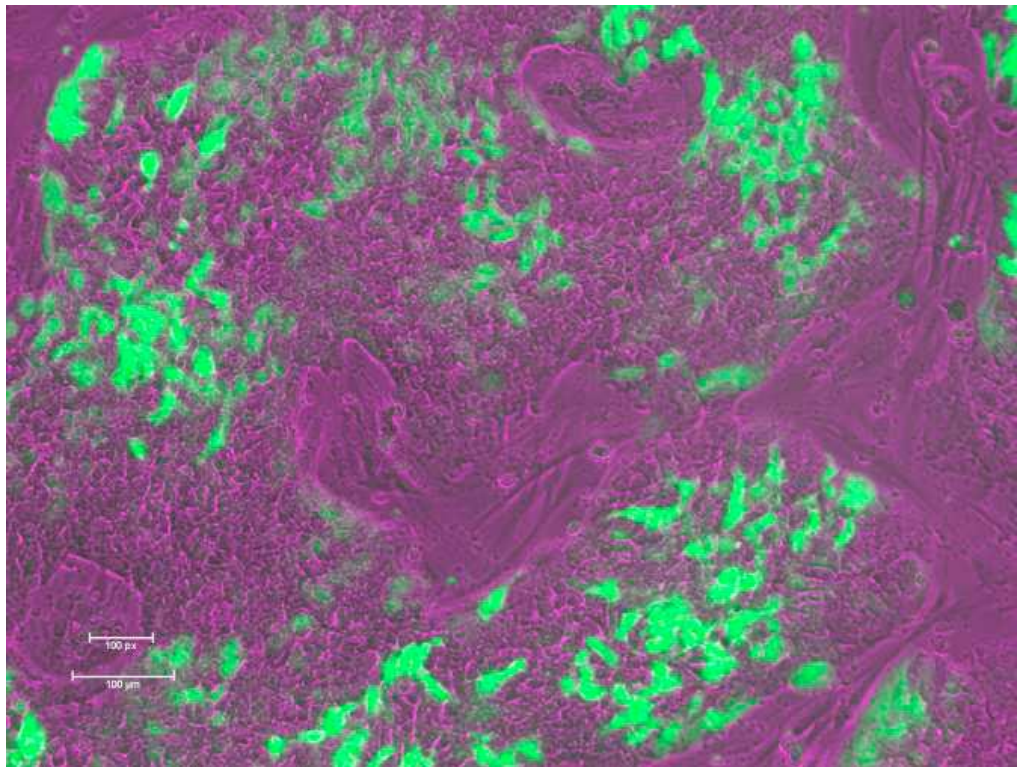
Laminin511 coated dish

x0.2 for 1day,　x0.5 for constant

1 week culture

hESC (H9 p.51)　Human Embryonic Stem cells





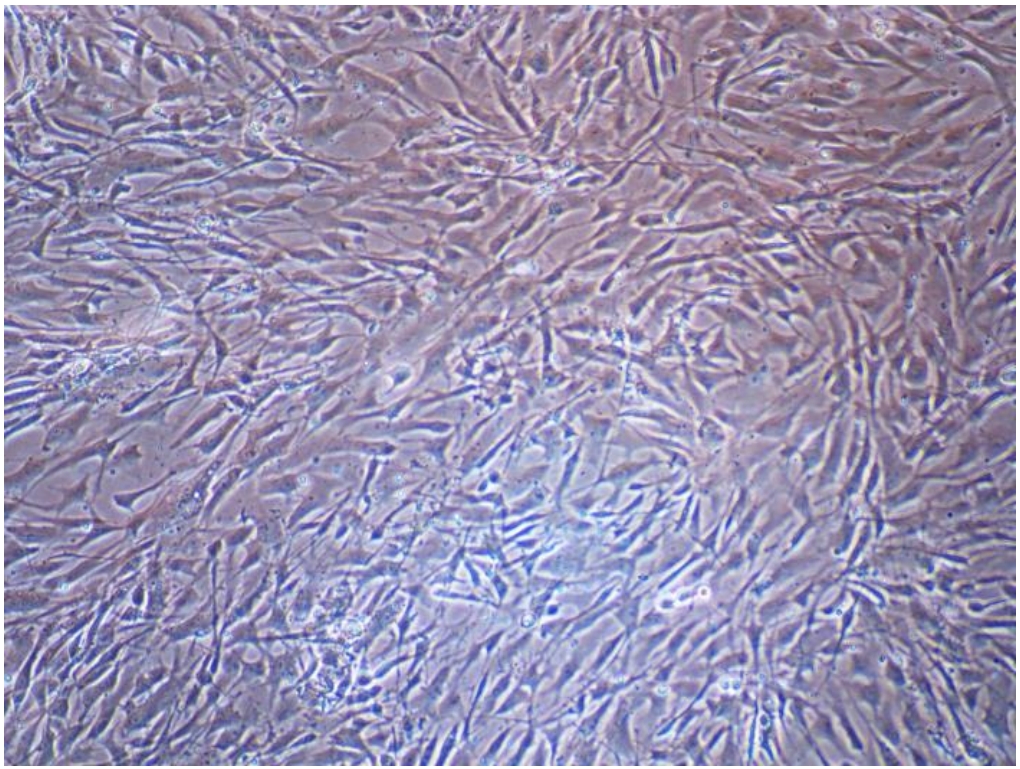
V: 50-60%

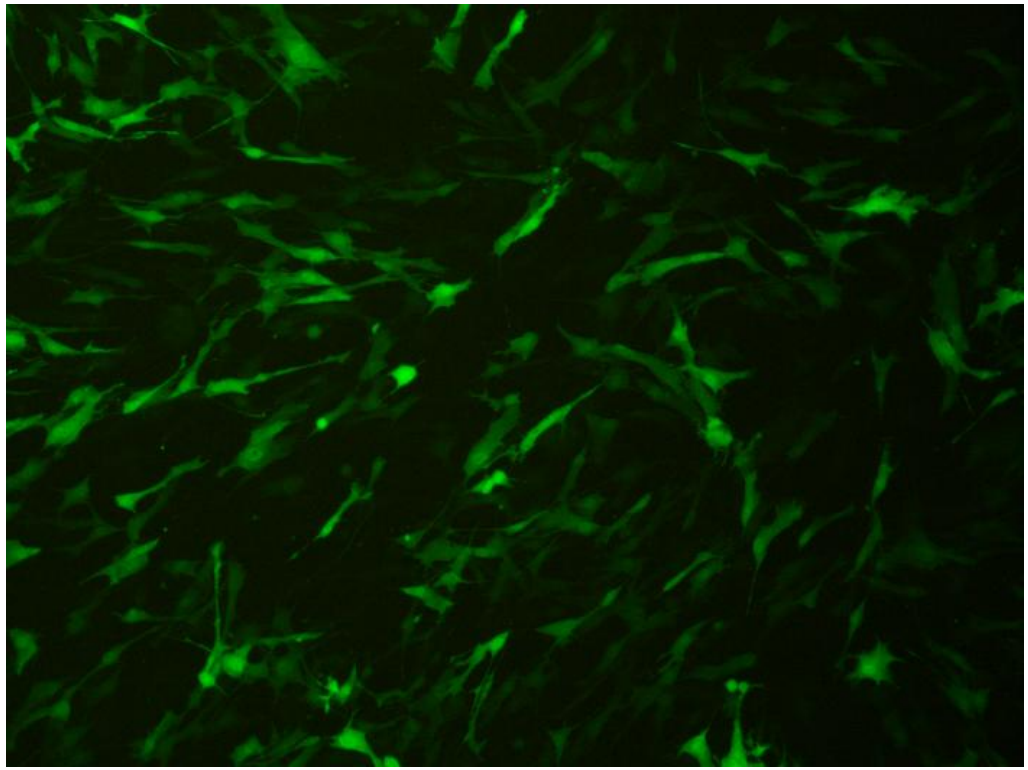
TE: 50-60%

V: Viability　TE: Transfection Efficiency

Gray picture: 1 week after EP / GFP picture: 48 hours after EP
xFect reagent's result: No cells survived 48 hours after EP

Primary hMSC　Human Mesenchymal Stem cells





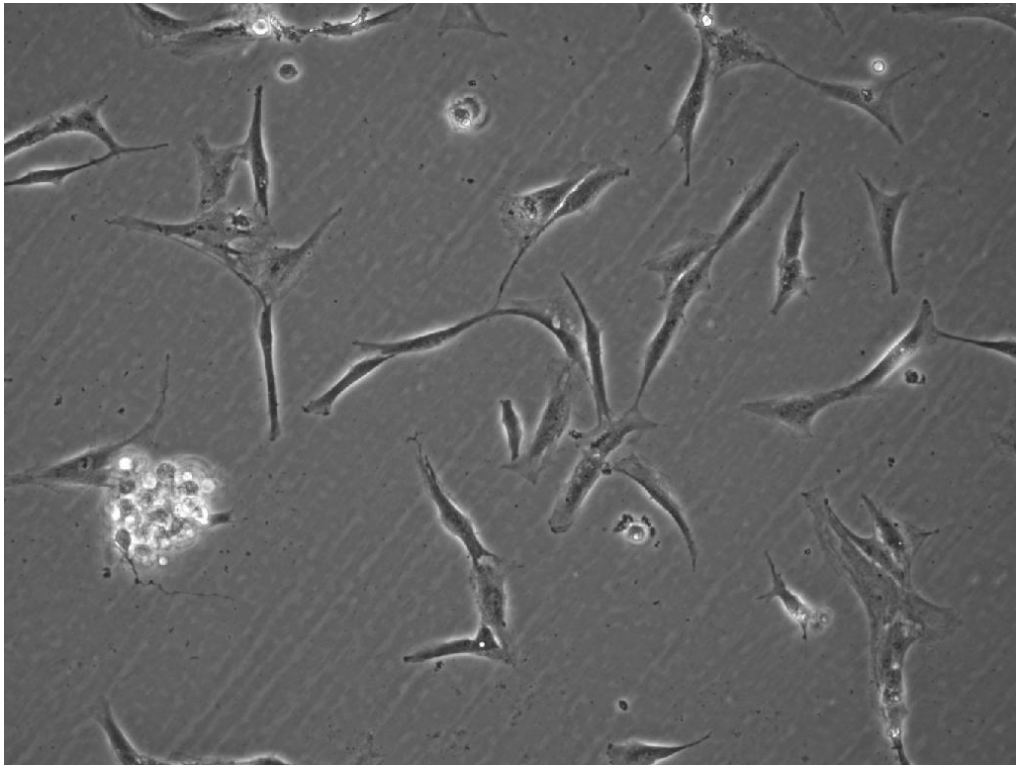
V: 78%

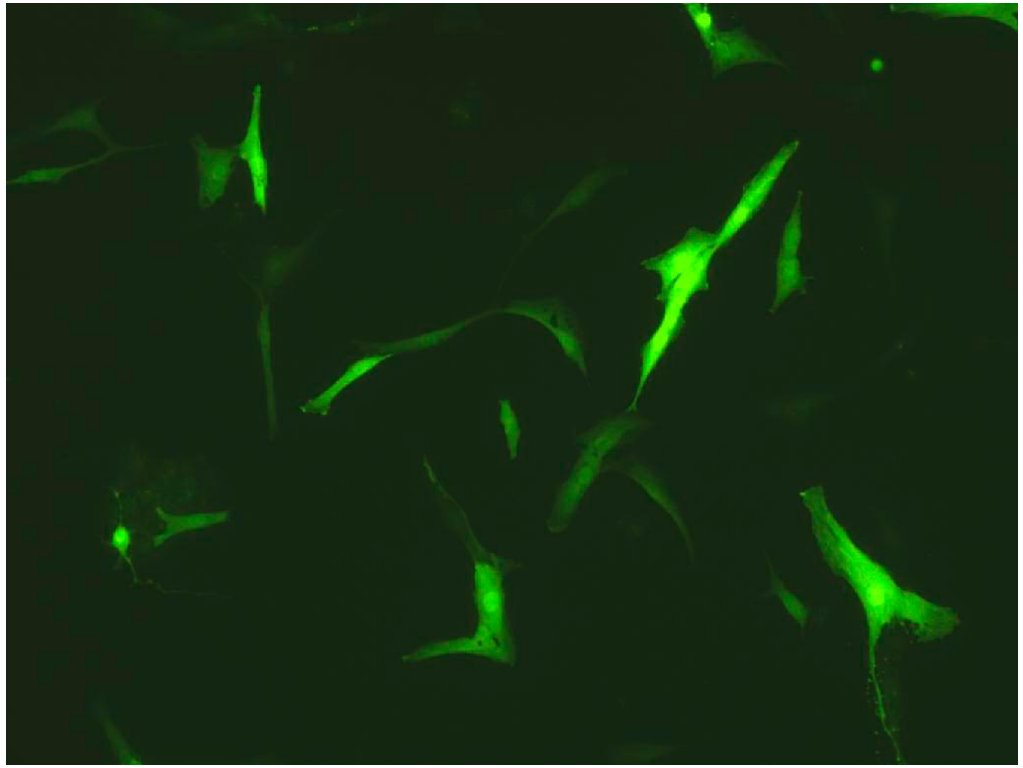
TE: 75%

V: Viability　TE: Transfection Efficiency

Cord blood derived
Nucleofector (Lonza amaxa) result: Viability 20% Transfection Efficiency 20%

Primary hMSC Human Mesenchymal Stem cells





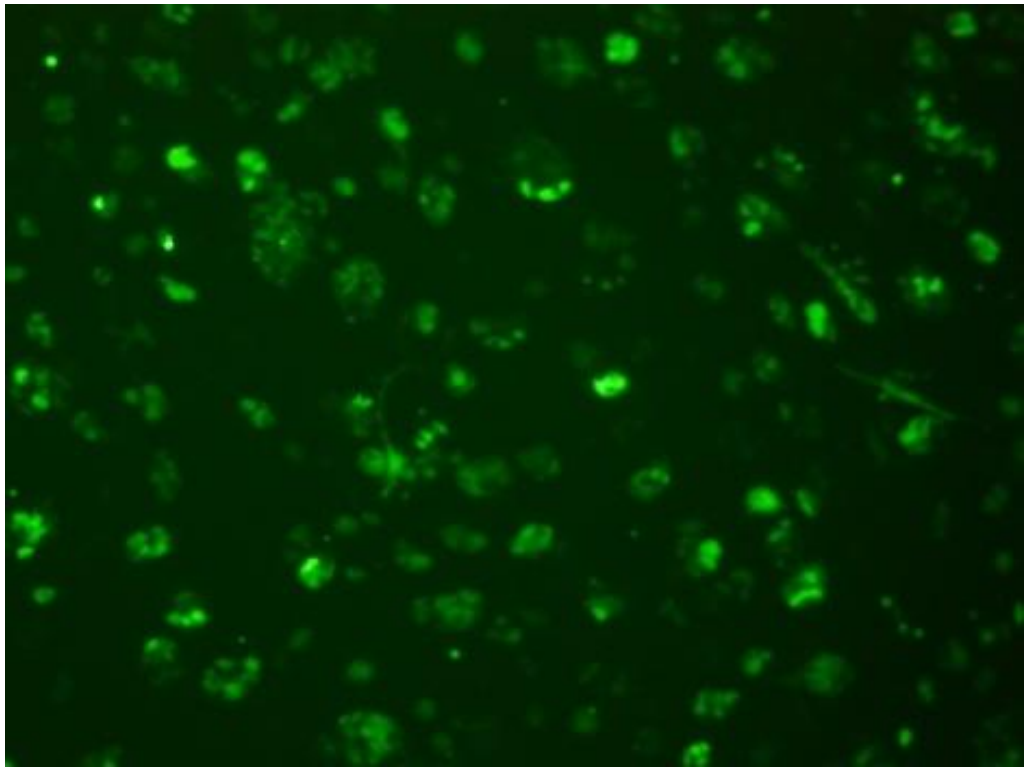
V: 70%

TE: 80%

V: Viability TE: Transfection Efficiency

Pictures: 48 hours after electroporation from Bone Marrow

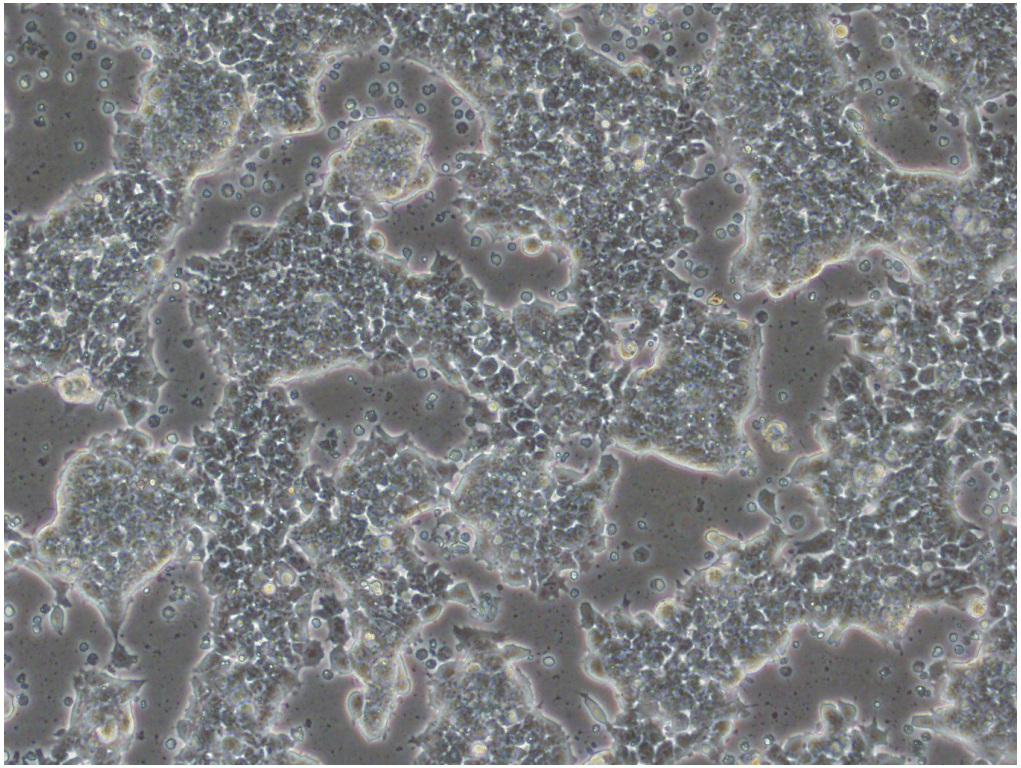
Mouse ES cells

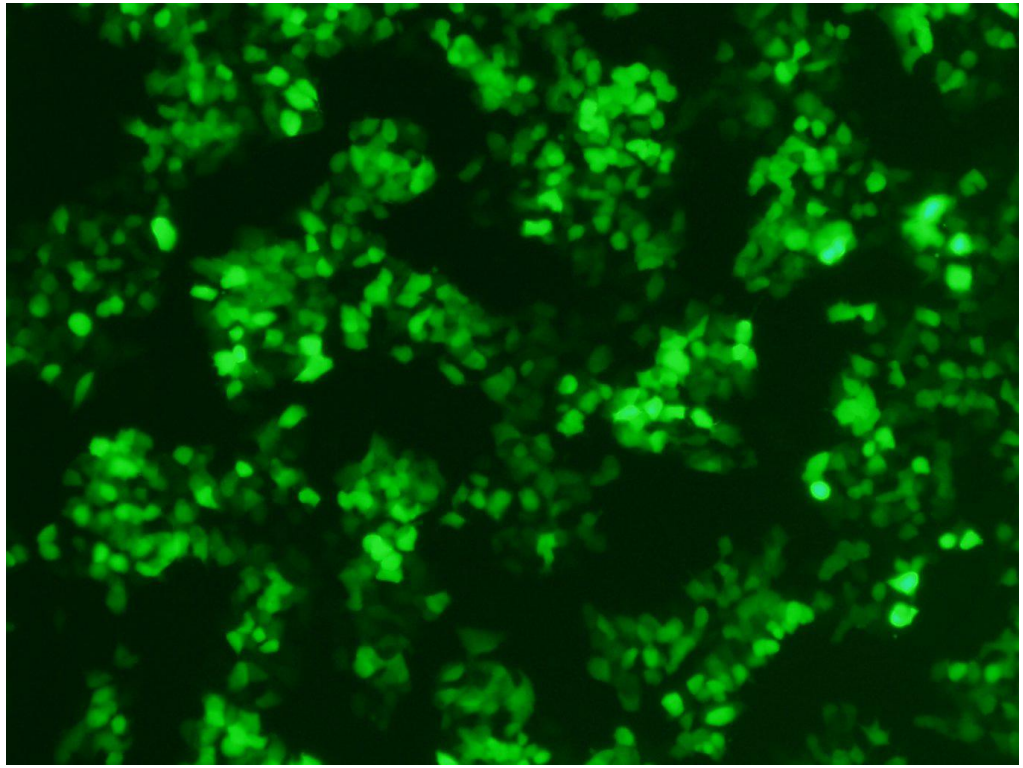


V: 80% TE: 75%

V: Viability TE: Transfection Efficiency

Mouse ES cells





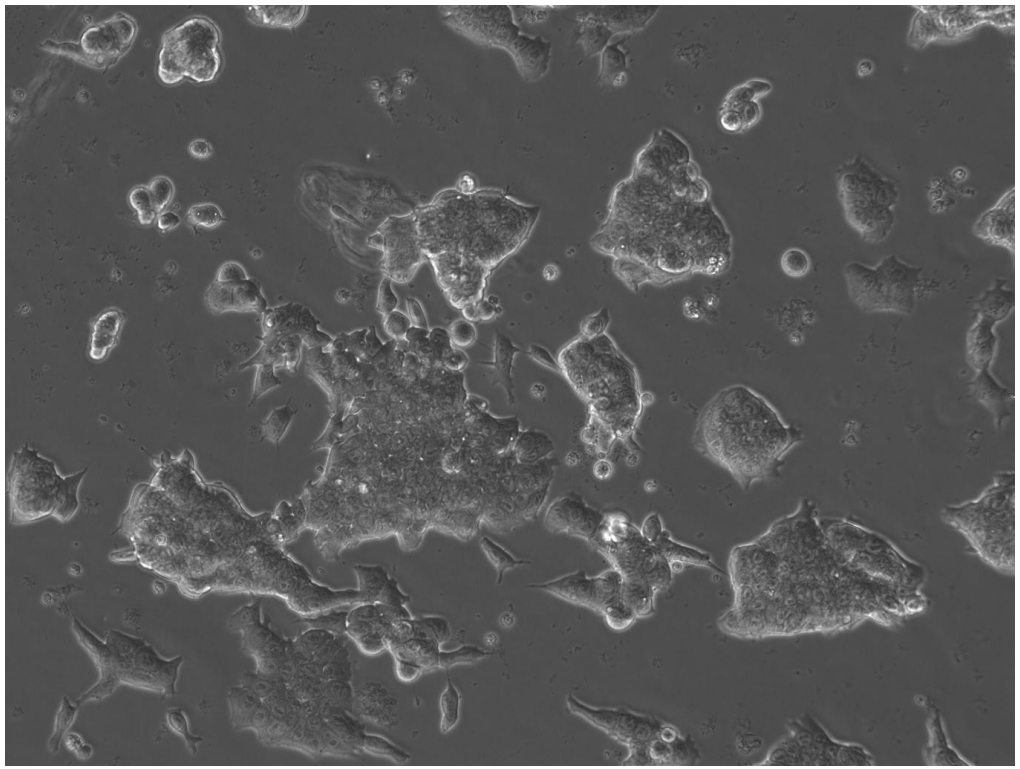
V: 80%

TE: 68%

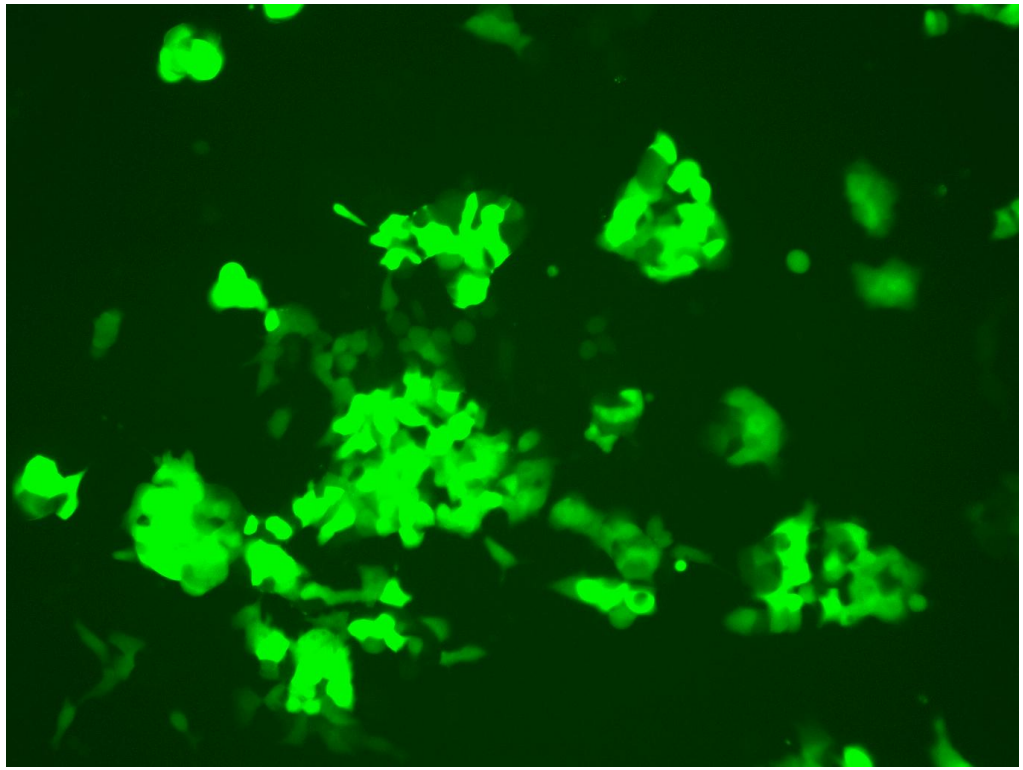
V: Viability TE: Transfection Efficiency

Pictures: 48 hours after electroporation
Bio-Rad X-cell result: Viability 50% Transfection Efficiency 14%

Mouse ES cells



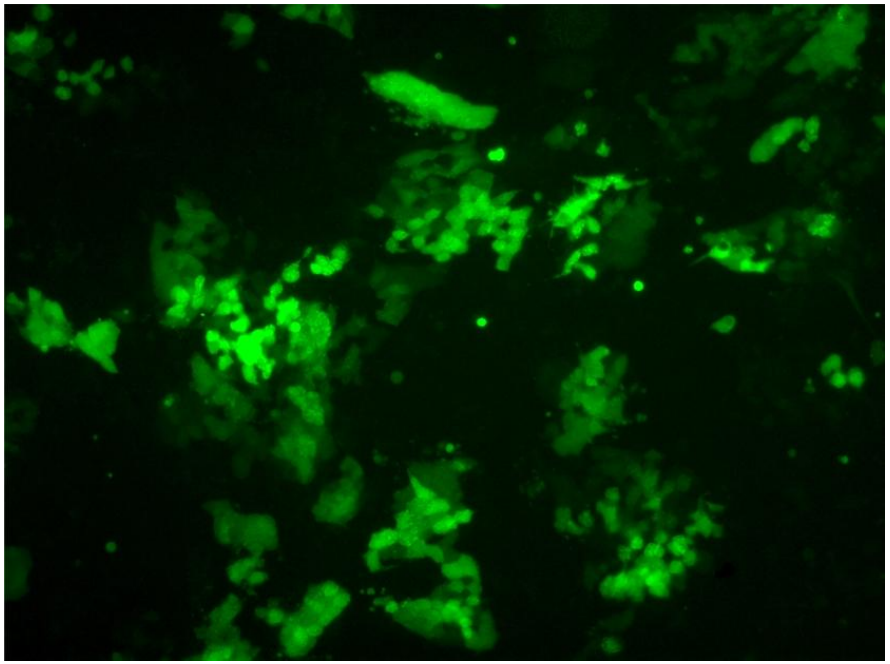
V: 74%



TE: 88%

V: Viability TE: Transfection Efficiency

Mouse ES cells, 129 strain, R1/E



V: 80% TE: 90%

V: Viability TE: Transfection Efficiency