

Materials List for

Laser-Assisted Lentiviral Gene Delivery: A Technique to Permeabilize Mouse Fertilized Eggs to Facilitate Lentiviral Gene Delivery

1
?

URL: <https://www.jove.com/video/20995>

DOI: [doi:10.3791/20995](https://doi.org/10.3791/20995)

Materials

Name	Company	Catalog Number	Comments
CD510B-1 plasmid	System Biosciences	CD510B-1	used to package the lentivirus expressing EF1a-copGFP
Dimethylpolysiloxane	Sigma	DMPS5X	culturing embryos
XYClone Laser	Hamilton Thorne Biosciences		perforating mouse fertilized eggs
Non-Surgical Embryo Transfer (NSET) Device	ParaTechs	60010	NSET of embryos
KSOM medium	Millipore	MR-020P-5F	culturing embryos
Composition of KSOM:			mg/100mL
NaCl			555
KCl			18.5
KH ₂ PO ₄			4.75
MgSO ₄ 7H ₂ O			4.95
CaCl ₂ 2H ₂ O			25
NaHCO ₃			210
Glucose			3.6
Na-Pyruvate			2.2
DL-Lactic Acid, sodium salt			0.174mL
10 mM EDTA			100µL
Streptomycin			5
Penicillin			6.3
0.5% phenol red			0.1mL
L-Glutamine			14.6
MEM Essential Amino Acids			1mL
MEM Non-essential AA			0.5mL
BSA			100