Feb. 13, 2016

NEPA GENE Cell Transfection Data

Primary Cells: With Electroporation Cuvettes

V:Viability / TE:Transfection Efficiency

Cell Line	Description, Species	Characteristics, etc.	V	TE	IMG
HUVEC	*Human Umbilical Vein Endothelial cells*	Primary, Normal, Adherent	95%	75%	
HASM	*Human Airway Smooth Muscle cells*	Primary, Adherent	90%	80%	Y
	Human Endometrial Stromal cells	Primary Adherent	95%	90%	Y
	Human Uterine Cervical Fibroblasts	Primary, Adherent	65%	90%	Y
	Human Dermal Fibroblasts	Primary, Adherent	95%	89%	Y
	Human Malignant Mesothelioma cells	Primary, Adherent	75%	55%	
	Human T cells	Primary, Suspension	58%	90%	Y
	Human T cells	Primary, Suspension	50%	76%	
	Human NK cells	Primary, Suspension	31%	47%	Y
PBMC	*Peripheral Blood Mononuclear cells*	Primary, Suspension	93%	66%	
	Human Chronic Lymphocytic Leukemia (CLL)	Primary, Suspension	82%	70%	Y
	Mouse Cerebral Cortex Neurons (Embryonic day14)	Primary, Adherent	80%	70%	Y
	Mouse Hippocampal Neurons (Embryonic day 17)	Primary, Adherent	65%	70%	Y
	Mouse Hippocampal Neurons (Embryonic day 14)	Primary, Adherent	80%	60%	
	Mouse Neural Progenitor Cells	Primary, Adherent	80%	60%	Y
	Mouse Basal Ganglia Primordium (Embryonic day 13.5)	Primary, Adherent	91%	71%	

	Mouse Cerebellar Granule Neurons	Primary, Adherent	91%	65%	Y
	Mouse DRG Neurons	Primary, Adherent	70%	70%	Y
MEF	*Mouse Embryonic Fibroblasts*	Primary, Adherent	90%	85%	Y
MEF	*Mouse Embryonic Fibroblasts*	Primary, Adherent	75%	85%	Y
	Mouse Embryonic Skin Fibroblasts	Primary, Adherent	80%	50%	Y
	Mouse Cervical Epithelial cells	Primary, Adherent	82%	55%	
	Mouse Vascular Adventitial Fibroblasts	Primary, Adherent	90%	50%	Y
BMMC (BMMCs)	*Mouse Bone Marrow-Derived Mast cells*	Primary, Suspension	64%	78%	Y
BMMC (BMMCs)	*Mouse Bone Marrow-Derived Mast cells*	Primary, Suspension	80%	83%	Y
	Mouse Liver cells	Primary, Adherent	75%	65%	Y
	Mouse Osteoblast cells	Primary, Adherent	85%	60%	
	Mouse Muscle cells (extensor digitorum longus)	Primary, Adherent	68%	54%	Y
	Rat Cerebral Cortex Neurons (Embryonic day16)	Primary, Adherent	70%	75%	Y
	Rat Hippocampal Neurons	Primary, Adherent	60%	80%	
	Rat Bulbar Neurons (Embryonic day 15)	Primary, Adherent	80%	75%	Y
	Rat Cerebellar Neurons	Primary, Adherent	70%	55%	
	Rat Cerebellar Granule cells	Primary, Adherent	70%	80%	
	Rat Schwann cells	Primary, Adherent	90%	80%	Y
	Rat Schwann cells	Primary, Adherent	90%	60%	Y
	Rat Müller cells	Primary, Adherent	90%	50%	Y

	Rat Meningeal Fibroblasts (Postnatal day 3)	Primary, Adherent	90%	95%	Y
OEC	*Rat Olfactory Ensheathing cells (Postnatal week 3)*	Primary, Adherent	93%	46%	Y
REF	*Rat Embryonic Fibroblasts*	Primary, Adherent	65%	65%	Y
	Chick Embryonic Fibroblasts	Primary Adherent	80%	90%	Y
	Chick Embryonic Cerebellar Granule Cells (Embryonic day 11)	Primary, Adherent	86%	83%	
	Rabbit Spleen cells (B cells)	Primary, Suspension	70%	45%	Y
	Goat Embryonic Epithelial Fibroblasts (Embryonic day 43)	Primary, Adherent	80%	55%	Y

Stem Cells, ES Cells and iPS Cells: With Electroporation Cuvettes

Cell Line	Description, Species	Characteristics, etc.	V	TE	IMG
	Human iPS cells	Adherent	Excellent	Excellent	Y
	Human iPS cells (201B7)	Adherent	80%	69%	
	Human iPS cells After EP: Feeder Free Culture	Adherent		73%	Y
	Human ES cells	Adherent	Excellent	Excellent	Y
	Human ES cells (H9 p.51)	Adherent	50-60%	50-60%	Y
	Human Mesenchymal Stem cells	Primary, Cord blood derived	78%	75%	Y
	Human Mesenchymal Stem cells	Bone Marrow derived	70%	80%	Y
TS	*Mouse Trophoblast Stem cells*	Adherent	59%	47%	Y
C3H/10T1/2	*Mouse Embryonic Mesenchymal Stem cells*	Adherent	70%	85%	Y
TT2	*Mouse TT2 ES cells*	Adherent	55%	55%	Y
	Mouse ES cells, 129 strain, R1/E	Adherent	80%	75%	Y

	Mouse ES cells	Adherent	80%	68%	Y
	Mouse ES cells	Adherent	74%	88%	Y
	Mouse ES cells	Adherent	80%	90%	Y
	Mouse ES cells	Adherent	70%	100%	Y
	Mouse ES cells	Adherent	77%	73%	
	Mouse iPS cell derived Neural Stem cells			86%	Y
	Mouse Neural Stem cells		90%	80%	Y
	Mouse Neural Stem cells		80%	60%	
	Mouse Neurospheres *The cells were from E13.5 mouse brain: ganglionic eminence*		90%	75%	Y
	Mouse Neurospheres *Neural Stem cells Derived from Mouse SVZ*		Excellent	Excellent	Y
	Rat WDA ES-like cells	Adherent	60%	80%	

Cell Lines: With Electroporation Cuvettes

V:Viability / TE:Transfection Efficiency

Cell Line	Description, Species	Characteristics, etc.	V	TE	IMG
HeLa	*Human Cervical Carcinoma cells*	Epithelial, Immortalized Adherent	87%	93%	Y
HeLa-K	*Human Cervical Carcinoma cells*	Epithelial, Immortalized	90%	90%	
293 (HEK293)	*Human Embryonic Kidney cells*	Epithelial, Adenovirus type 5	92%	91%	Y
293 (HEK293)	*Human Embryonic Kidney cells*	Epithelial, Adenovirus type 5	90%	90%	
293 (HEK293)	*Human Embryonic Kidney cells*	Epithelial, Adherent	90%	70%	Y
293 (HEK293)	*Human Embryonic Kidney cells*	Epithelial, Adherent	72%	85%	Y

293T (HEK293T)	*Human Embryonic Kidney cells*	Epithelial, SV40 large T antigen	90%	95%	Y
293T (HEK293T)	*Human Embryonic Kidney cells*	Epithelial, SV40 large T antigen	83%	87%	Y
293T (HEK293T)	*Human Embryonic Kidney cells*	Epithelial, SV40 large T antigen	70%	99%	
TIG-3	*Human Embryonic Lung Fibroblasts*	Diploid, Normal Adherent	90%	80%	Y
TIG-7	*Human Embryonic Lung Fibroblasts*	Diploid, Normal Adherent	89%	76%	Y
MRC-5	*Human Embryonic Lung Fibroblasts*	Diploid, Normal Adherent	85%	90%	Y
WI-38	*Human Embryonic Lung Fibroblasts*	Adherent	80%	70%	
HDF	*Human Dermal Fibroblasts (106-05)*	Adherent	90%	90%	Y
HaCaT	*Human Keratinocyte cells*	Normal, Immortalized	96%	69%	Y
BEAS-2B	*Human Bronchial Epithelial cells*	Adherent	75%	96%	
SUSM-1	*Human Fibroblasts*	Fetal Liver, Epithelial,	77%	71%	Y
KMST-6	*Human Fibroblasts*	Epithelial Immortalized	70%	60%	Y
HT1080	*Human Fibrosarcoma cells*	Connective Tissue Acetabulum,	93%	81%	Y
HT1080	*Human Fibrosarcoma cells*	Connective Tissue Acetabulum,	80%	90%	
MG-63	*Human Osteosarcoma Cells*	Adherent	70%	80%	
U2OS	*Human Osteosarcoma Cells*	Adherent	70%	80%	
Saos-2	*Human Osteosarcoma Cells*	Adherent	60%	75%	
PANC-1	*Human Pancreatic Carcinoma cells*	Adherent	55%	75%	
MIA-PaCa-2	*Human Pancreatic Carcinoma cells*	Epithelial, Adherent	80%	77%	Y
HepG2	*Human Hepatoma cells*	Epithelial, Adherent	95%	85%	Y

HepG2	*Human Hepatoma cells*	Epithelial, Adherent	80%	76%	Y
HuH-7	*Human Hepatoma cells*	Epithelial, Adherent	82%	85%	
TFK-1	*Human Bile Duct Adenocarcinoma cells*	Adherent	50%	70%	Y
H69	*Human Small-Cell Lung Cancer cells*	Adhereht	90%	85%	Y
H1299 (NCI-H1299)	*Human Lung Cancer cells*	Non-Small, Epithelial, Adherent	90%	90%	
H1299	*Human Lung Cancer cells*	Non-Small, Epithelial	80%	80%	Y
KB31	*Human Epidermoid Carcinoma cells*	Adherent	58%	64%	Y
HSC-2	*Human Squamous Carcinoma cells*	Oral , Adherent	90-95%	98%	Y
HSC-3	*Human Squamous Carcinoma cells*	Tongue , Adherent	90-95%	98%	Y
Ca9-22	*Human Squamous Carcinoma cells*	Gingival, Adherent	60%	60%	Y
HGF	*Human Gingival Fibroblasts*	Normal, Adherent	Excellent	Excellent	Y
HEp-2	*Human Laryngeal Carcinoma cells*	Epithelial, Adherent	70%	90%	Y
MCF-7	*Human Breast Cancer cells*	Epithelial, Adherent	95%	80%	Y
MCF-7	*Human Breast Cancer cells*	Epithelial, Adherent	80%	70%	
MCF-7	*Human Breast Cancer cells*	Epithelial, Adherent	81%	65%	Y
T47D	*Human Breast Cancer cells*	Ductal Carcinoma Epithelial	90%	80-90%	
BT-20	*Human Breast Cancer cells*	Adherent	70%	80%	Y
MDA-MB-231	*Human Breast Cancer cells*	Adherent	85%	>90%	Y
MCF 10A	*Human Breast Cells*	Normal, Mammary Epithelial	90%	80%	Y
MCF 10A	*Human Breast Cells*	Normal, Mammary Epithelial	Excellent	Excellent	Y

NUGC-3	*Human Gastric Carcinoma cells*	Adherent	73%	68%	
A549	*Human Lung Adenocarcinoma cells*	Epithelial, Adherent	80-90%	90%	
TE-1	*Human Esophageal Carcinoma cells*	Adherent	80-90%	41%	Y
LNCaP	*Human Prostate Carcinoma*	Epithelial, Adherent	71%	90%	
PC-3	*Human Prostate Cancer cells*	Epithelial, Adherent	90%	95%	
PC-3	*Human Prostate Cancer cells*	Epithelial, Adherent	86%	55%	Y
PNT2	*Human Prostate Epithelial cells*	Epithelial, Adherent	85%	80%	Y
LoVo	*Human Colon Adenocarcinoma cells*	Epithelial, Adherent	85%	60%	Y
HCT116	*Human Colon Cancer cells*	Adherent	80%	95%	Y
HCT116	*Human Colon Cancer cells*	Adherent	95%	90%	Y
HCT116	*Human Colon Cancer cells*	Adherent	80%	80%	Y
Caco-2	*Human Colon Cancer cells*	Adherent	95%	80%	Y
SKOV-3	*Human Ovarian Carcinoma cells*	Adherent	90%	90%	Y
OVCAR-3	*Human Ovarian Carcinoma cells*	Adherent	90%	79%	Y
RMG-1	*Human Ovarian Clear Cell Adenocarcinoma*	Adherent	97%	67%	Y
SK-N-SH	*Human Neuroblastoma cells*	Epithelial, Adherent	95%	95%	Y
SH-SY5Y	*Human Neuroblastoma cells*	Adherent	60%	90%	Y
SH-SY5Y	*Human Neuroblastoma cells*	Adherent	70%	70%	
SH-SY5Y	*Human Neuroblastoma cells*	Adherent			Y
NB9	*Human Neuroblastoma cells*	Adherent	70%	70%	

NB69	*Human Neuroblastoma cells*	Adherent	95%	80%	
NB-39-nu	*Human Neuroblastoma cells*	Adherent	60%	63%	
KG-1-C	*Human Oligodendroglial cells*	Adherent	85%	60%	Y
A172	*Human Glioblastoma cells*	Adherent	80-90%	70%	Y
NP3	*Human Glioblastoma cells*	Adherent	98%	62%	Y
1321N1	*Human Astrocytoma cells*	Adherent	80%	80%	Y
	Immortalized Human Pericytes	Adherent	83%	50%	Y
iHAM-4	*Human Amniotic Mesenchymal cells*	Adherent	59%	95%	
	Human Dental Pulp cells	Adherent	90%	85%	Y
	Human Dental Pulp cells	Adherent	85%	69%	Y
HTR-8/Svneo	*Human Trophoblast cells*	Adherent	95%	67%	Y
SRA 01/04	*Human Lens Epithelial cells*	Adherent	97%	80%	Y
RPE	*Human Retinal Pigment Epithelium cells*	Adherent	90%	70%	
RPE-1 (hTERT RPE-1)	*Human Retinal Pigment Epithelium cells*	Adherent Immortalized	95%	80%	Y
RPTEC	*Human Renal Proximal Tubule Epithelial cells*	Adherent	70%	85%	
UT-7/TPO	*Human Megakaryocytic cells*	Suspension	51%	46%	Y
P493-6	*Human B cells*	Suspension	80%	40-50%	Y
MV4-11	*Human Acute Myeloid Leukemia cells*	Suspension	70%	60%	Y
Jurkat	*Human T-cell Leukemia cells*	Round Single, Suspension	99%	92%	Y
Jurkat	*Human T-cell Leukemia cells*	Round Single, Suspension	73%	94%	Y

Jurkat	*Human T-cell Leukemia cells*	Round Single, Suspension	85%	85%	Y
Jurkat	*Human T-cell Leukemia cells*	Round Single, Suspension	89%	85%	
Jurkat	*Human T-cell Leukemia cells*	Round Single, Suspension	95%	95%	
Hut78	*Human T-cell Lymphoma cells*	Suspension	51%	74%	
Jeko-1	*Human Mantle Cell Lymphoma (MCL) cells*	Peripheral blood, Suspension	80%	63%	
MOLT-4	*Human Acute Lymphoblastic Leukemia cells*	Suspension	95%	70%	
697	*Human Pre-B Acute Lymphoblastic Leukemia cells*	Suspension	68%	93%	
Nalm-6	*Human B-cell Precursor Leukemia cells*	Blood, Suspension	77%	82%	
Nalm-6	*Human B-cell Precursor Leukemia cells*	Blood, Suspension	67%	70%	
KG-1	*Human Acute Myeloid Leukemia cells*	Suspension	60%	65%	Y
KG-1	*Human Acute Myeloid Leukemia cells*	Suspension	70%	65%	
Kasumi-1	*Human Acute Myeloid Leukemia cells*	Suspension	66%	79%	
USCD/AML1	*Human Leukemia cells*	Suspension	50%	50%	
M7	*Human Acute Non Lymphocytic Leukemia cells*	Suspension	85%	80%	Y
KOPT-K1	*Human T cell acute lymphoblastic leukemia (T-ALL) cells*	Suspension	80%	60%	Y
	Human EBV-immortalized B cells	Suspension	58%	53%	Y
Namalwa	*Human Burkitt's Lymphoma cells*	B lymphocyte, Suspension	70%	75%	
Raji	*Human Burkitt's Lymphoma cells*	B lymphocyte, Suspension	97%	83%	Y
Toledo	*Human Burkitt's Lymphoma cells*	B lymphocyte, Suspension	81%	60%	Y
Mutu I	*Human Burkitt Lymphoma cells*	EBV Positive, Suspension	87%	91%	Y

Mutu III	*Human Burkitt Lymphoma cells*	EBV Positive, Suspension	54%	92%	
LCL	*Human Burkitt's Lymphoma cells*	Immortalized, Suspension	55%%	43%	Y
Ramos	*Human Burkitt's Lymphoma cells*	B lymphocyte, Suspension	83%	57%	
Ramos-Blue™	*Human Burkitt's Lymphoma cells*	B lymphocyte, Suspension	80%	55%	Y
BJAB	*Human EBV-negative Burkitt Lymphoma cells*	Suspension	96%	96%	Y
HL-60	*Human Promyelocytic Leukemia cells*	Suspension	80%	80%	
KU812	*Human Basophilic Leukaemia cells*	Suspension	96%	42%	
K562	*Human Chronic Myelogenous Leukemia cells*	Suspension	91%	99%	
K562	*Human Chronic Myelogenous Leukemiacells*	Suspension	77%	64%	
THP-1	*Human Acute Monocytic Leukemia cells*	Suspension	76%	63%	Y
THP-1	*Human Acute Monocytic Leukemia cells*	Suspension	56%	64%	Y
THP-1	*Human Acute Monocytic Leukemia cells*	Suspension	76%	59%	Y
THP-1	*Human Acute Monocytic Leukemia cells*	Suspension	85%	67%	
THP-1	*Human Acute Monocytic Leukemia cells*	Suspension	67%	85%	
KHYG-1	*Human Natural Killer (NK)Lleukemia cells*	Suspension	51%	71%	Y

NIH/3T3	*Mouse Embryonic Fibroblasts*	Swiss NIH , Embryo	100%	90%	Y
NIH/3T3	*Mouse Embryonic Fibroblasts*	Swiss NIH , Embryo	74%	81%	Y
NIH/3T3	*Mouse Embryonic Fibroblasts*	Swiss NIH , Embryo	70%	70%	Y
PT67	*Mouse Fibroblasts (RetroPack PT67 cell line)*	Adherent	91%	66%	Y
3T3-L1	*Mouse Embryonic Fibroblasts (preadipocytes)*	Fibroblast like	90%	90%	Y

MEF	*Mouse Embryonic Fibroblasts*	Adherent	80%	90%	
MEF	*Mouse Embryonic Fibroblasts*	Adherent	75%	70%	Y
STO	*Mouse Embryonic fibroblasts*	Adherent	60%	51%	Y
N7	*Mouse Embryonic Hypothalamic cells (immortalized)*	Adherent	75%	100%	Y
P19C6	*Mouse Embryonic Carcinoma cells*	Adherent	90%	50%	Y
HL-1	*Mouse Cardiac Muscle cells*	Adherent	70%	70%	
L	*Mouse Fibroblasts*	Adherent	90%	60-70%	Y
B16	*Mouse Melanoma cells*	Adherent	70%	50%	Y
MC3T3-E1	*Mouse Osteoblastic cells*	Fibroblastic, Adherent	85%	75%	Y
C2C12	*Mouse Myoblast cells*	Adherent	94%	90%	Y
C2C12	*Mouse Myoblast cells*	Adherent	90%	90%	Y
C2C12	*Mouse Myoblast cells*	Adherent	80%	70%	Y
C2C12	*Mouse Myoblast cells*	Adherent	90%	95%	
NMuMG	*Mouse Mammary Gland Epithelial cells*	Adherent	80%	65%	
LLc1 (LL/2)	*Lewis Lung Cell Carcinoma 1 cells*	Adherent	87%	81%	Y
4T1	*Mouse Breast Cancer cells*	Adherent	90%	95%	Y
Colon-26	*Mouse Colon Adenocarcinoma cells*	Adherent	95%	90%	Y
Hepa1-6	*Mouse Hepatoma cells*	Adherent	50%	98%	
LM8	*Mouse Osteosarcoma cells*	Adherent	90%	85%	Y
AtT-20	*Mouse Pituitary Tumor cells*	Adherent	80%	80%	Y

MS-1	*Mouse Pancreatic Endothelial cells*	Adherent	90%	90%	
	ddy Mouse Endometrial cells	Fibroblast, Adherent	60%	80%	Y
Neuro-2a	*Mouse Neuroblastoma cells*	Adherent	90%	90%	Y
BV-2	*Mouse Microglial cells*	Adherent	65%	70%	Y
BV-2	*Mouse Microglial cells*	Adherent	90%	50%	Y
WR19L	*Mouse T-cell lymphoma cells*	Suspension	92%	60%	Y
BA/F3	*Mouse pro-B cells*	Suspension	90%	90%	
A20	*Mouse B-cell Lymphoma cells*	Suspension	70%	65%	Y
P815	*Mouse Mastocytoma cells*	Suspension	67%	68%	
J774.1	*Mouse Macrophage-like cells*	Monocyte-like	100%	70%	Y
RAW264.7	*Mouse Macrophage-like cells*	Monocyte-like, Adherent	70%	56%	Y
RAW264.7	*Mouse Macrophage-like cells*	Monocyte-like, Adherent	Excellent	Excellent	Y
RAW-D	*Mouse Macrophage cells*	Monocyte-like, Adherent	80%	80%	Y
MIN6	*Mouse Pancreatic Beta cells*	Suspension	57%	71%	Y
MEL	*Mouse Erythroleukemia cells*	Suspension	70%	50%	
XS106	*Mouse Dendritic Cells*	Suspension	61%	45%	Y
mDC	*Mouse Myeloid Dendritic cells*	Suspension	79%	72%	
416B	*Mouse Primitive Myeloid cells*	Suspension	89%	64%	
32D	*Mouse Myeloid cells*	Suspension		88%	
MC/9	*Mouse Mast cells*	Suspension	76%	84	Y

BMBa	*Mouse Bone marrow-derived basophils*	Suspension	45%	67%	Y

PC12	*Rat Adrenal Pheochromocytoma cells*	Adherent	90%	70%	Y
H9c2	*Rat Ventricular Myoblasts*	Skeletal Muscle-like	71%	82%	Y
H9c2	*Rat Ventricular Myoblasts*	Skeletal Muscle-like	75%	80%	Y
REF	*Rat Embryonic Fibroblasts*	Adherent	90%	99%	Y
C6	*Rat Glioma cells*	Fibroblast-like, GFAP Positive,	80%	67%	Y
RSC96	*Rat Schwann cells*	Adherent	70%	85%	Y
TtT/GF	*Rat Anterior Pituitary cells*	Folliculostellate, Adherent	65%	83%	Y
UMR106	*Rat Osteoblastic cells*	Adherent	80%	70%	

CHO	*Chinese Hamster Ovary cells*	Epithelial, Adherent	74%	90%	Y
CHO-K1	*Chinese Hamster Ovary cells*	Epithelial, Adherent	95%	95%	Y
CHO-K1	*Chinese Hamster Ovary cells*	Epithelial, Adherent	90%	99%	
CHO-S	*Chinese Hamster Ovary cells*	Epithelial, Suspension	Excellent	56%	
COS-7	*African Green Monkey SV40-transf'd Kidney fibroblasts*	Adherent	61%	89%	
MDCK	*Madrin-Darby Canine Kidney cells*	Epithelial-like, Adherent	90%	95%	Y
BFF	*Bovine Fetal Fibroblasts*	Adherent	93%	71%	
BFF	*Bovine Fetal Fibroblasts*	Adherent	78%	72%	Y
	Bovine Fibroblasts	Adherent	90%	63%	
BAEC	*Bovine Aortic Endothelial Cells*	Adherent	80%	80%	Y

A6	*Xenopus Kidney Epithelial cells*	Adherent	90%	60%	Y

Primary Cells in Adherent Status: With Adherent-Cell Electrodes

Cell	Characteristics	V	TE	IMG
Human Skin Fibroblasts	Primary, Adherent	100%	50%	Y
HUVEC Human Umbilical Vein Endothelial cells	*Primary, Normal, Adherent*	95%	75%	Y
Mouse Cerebral Cortex Neurons (Embryonic day 15) (6 DIV)	Primary, Adherent	Excellent	Excellent	Y
Mouse Cerebral Cortex Neurons (Embryonic day 16) (2 DIV)	Primary, Adherent	70%	70%	Y
Mouse Cerebral Cortex Neurons (Embryonic day 16) (2 DIV)	Primary, Adherent	60%	65%	Y
Mouse Cerebral Cortex Neurons (Embryonic day 14) (5 DIV)	Primary, Adherent	95%	75%	Y
Mouse Hippocampal Neurons (Embryonic day 14) (4 DIV)	Primary, Adherent	60%	50%	
Mouse Hippocampal Neurons (Embryonic day 18) (2 DIV)	Primary, Adherent	85%	54%	Y
Mouse Neural Stem cells	Primary, Adherent	71%	50%	
Mouse Microglial cells (1 DIV after 1 week co-culturing astrocyte and microglial cells)	Primary, Adherent	Excellent	73%	Y
Mouse Glial cells (14 DIV)	Primary, Adherent	80%	50%	Y
Mouse Stromal cells (1-month cultured)	Primary Adherent	90%	50%	
Mouser Liver cells *siRNA Knock Down	Primary Adherent	Excellent	89%	
Rat Cerebral Cortex Neurons (Embryonic day 17) (2 DIV)	Primary, Adherent	70%	60%	Y
Rat Hippocampal Neurons (Embryonic day 16) (2 DIV)	Primary, Adherent	70%	70%	Y
Rat Hippocampal Neurons (Postnatal day 7) (11 DIV)	Primary, Adherent	100%	50%	Y
Rat Granulosa cells	Primary, Adherent	Excellent	41%	

Cell Lines in Adherent Status: With Adherent-Cell Electrodes

Cell Line	Description, Species	Characteristics, etc.	V	TE	IMG
SH-SY5Y	*Human Neuroblastoma cells*	Adherent	90%	50%	Y
EPC	*Human Endothelial Progenitor Cells*	Adherent			Y
	Human Mesenchymal Stem cells	Bone Marrow derived	70%	65%	Y
THP-1	*Human Acute Monocytic Leukemia cells*	Suspension	90%	45%	
C2C12	*Mouse Myoblast cells*	Adherent	94%	>60%	Y
3T3-L1	*Mouse Embryonic Fibroblasts* *7 days after differentiation*	Adipocyte-like after differentiation	90%	70%	Y
MEF	*Mouse Embryonic Fibroblasts*	Adherent	60%	80%	
Neuro-2a	*Mouse Neuroblastoma cells*	Adherent	80%	90%	
C6	*Rat Glioma cells*	Fibroblast-like, GFAP Positive,	57%	55%	Y