

CELLS SUCCESSFULLY TRANSFECTED USING THE MATRA TECHNOLOGY



Adherend cells

Cell line	Cell type/tissue origin	Organism	MA Transfection (MATra-A)	MA Lipofection (MA Lipofection Enhancer with IBAfect*)	Lipofection (IBAfect)
HeLa	cervix carcinoma	human	+	+	+
HEK 293	kidney	human	+	+	+
BHK-21	kidney	hamster	n.d.	+	+
CHO	ovary	hamster	+	+	+
NIH 3T3	fibroblast	mouse	+	+	+

Works for the 5 most popular cell lines!

16HB140	airway epithelium	human	+	n.d.	n.d.
FL	amnion	human	+	n.d.	n.d.
U373	astrocytoma	human	[+]	[+]	[+]
EJ28	bladder cancer	human	+	n.d.	n.d.
HBL-100	breast	human	n.d.	+	+
MCF7	breast adenocarcinoma	human	+	+	+
MCF7- TAMR1	breast adenocarcinoma	human	+	n.d.	n.d.
MCF7- 182R6	breast adenocarcinoma	human	+	n.d.	n.d.
MCS7	breast adenocarcinoma	human	+	n.d.	n.d.
MDA- MB231	breast adenocarcinoma	human	+	n.d.	n.d.
HeLa	cervix carcinoma	human	+	+	+
HCT 116	colon adenocarcinoma	human	n.d.	+	+
HCT 15	colon adenocarcinoma	human	n.d.	+	+
LoVo	colon adenocarcinoma	human	n.d.	+	+
SW480	colon adenocarcinoma	human	n.d.	+	+
Colo 320DM	colon carcinoma	human	+	n.d.	n.d.
LoVo	colon carcinoma	human	+	n.d.	n.d.
A431	epidermoid carcinoma	human	n.d.	+	+
HT-1080	fibrosarcoma	human	+	n.d.	n.d.
HFF	foreskin fibroblast	human	[+]	[+]	n.d.
TZMBL	HeLa derivative	human	+	n.d.	n.d.
P4R5	HeLa derivative	human	+	n.d.	n.d.
Hep G2	hepatocellular carcinoma	human	+	+	+
HuH7	hepatocellular carcinoma	human	+	n.d.	n.d.
FaDu	hypopharyngeal carcinoma	human	+	n.d.	n.d.
HaCaT	skin/hair epithelial: keratinocyte	human	+	+	+
HEK 293	kidney	human	+	+	+
293 T	kidney	human	+	+	+
293 T-17	kidney	human	n.d.	+	+
HPBG	kidney	human	+	n.d.	n.d.
TSA201	kidney	human	+	n.d.	n.d.
NCI	lung epithelium	human	[+]	[+]	n.d.
SK-MES-1	lung carcinoma	human	+	n.d.	n.d.

Adherend cells

Cell line	Cell type/tissue origin	Organism	MA Transfection (MATra-A)	MA Lipofection (MA Lipofection Enhancer with IBAfect*)	Lipofection (IBAfect)
MRC 5	fetal lung	human	+	+	n.d.
Mel 888	melanoma	human	+	n.d.	n.d.
Mel Ei	melanoma	human	+	n.d.	n.d.
MeWo	melanoma	human	+	+	+
SK-MEL-28	melanoma	human	n.d.	+	+
SHSY-5Y	neuroblastoma	human	+	+	+
A549	lung carcinoma	human	+	+	+
SaOS-2	osteosarcoma	human	n.d.	+	+
BTK-143	osteosarcoma	human	n.d.	+	+
181RDB	pancreatic	human	n.d.	+	+
PC-3	prostate carcinoma	human	+	[+]	[+]
HSG	salivary gland, submandibular	human	n.d.	+	+
NCI H-82	small cell lung cancer	human	+	n.d.	n.d.
NT2-D1	testis carcinoma	human	+	[+]	[+]
ECV-304	urinary bladder carcinoma	human	n.d.	+	+
CT-26	colon carcinoma	mouse	+	n.d.	n.d.
F9	embryonal carcinoma	mouse	+	n.d.	n.d.
P19	embryonic epithelium	mouse	+	n.d.	n.d.
NIH 3T3	fibroblast	mouse	+	+	+
L929	fibroblast, connective tissue	mouse	+	n.d.	n.d.
HPL	hippocampal cell	mouse	+	n.d.	n.d.
HT-22	hippocampal neuroblast	mouse	n.d.	+	+
mIC-(cl2)	intestine	mouse	n.d.	+	+
FTO	liver carcinoma	mouse	+	n.d.	n.d.
B16F10	melanoma	mouse	+	n.d.	n.d.
B16F10.9	melanoma	mouse	+	n.d.	n.d.
N2a	neuroblastoma	mouse	+	n.d.	n.d.
NS20Y	neuroblastoma	mouse	n.d.	+	+
P-388D1	monocyte-macrophage	mouse	[+]	[+]	[+]
RAW264	monocyte-macrophage, leukemia	mouse	+	n.d.	n.d.
C2C12	myoblast	mouse	+	[+]	[+]
AtT20	pituitary tumor	mouse	+	n.d.	n.d.
SM 10	trophoblast	mouse	n.d.	+	+
PC12	adrenal pheochromocytoma	rat	+	n.d.	n.d.
PC6-3	daughter cell line of PC12	rat	+	n.d.	n.d.
C6	glioma	rat	n.d.	+	+
5L	hepatocellular carcinoma	rat	[+]	[+]	[+]
H4IIE	hepatoma	rat	n.d.	+	+
EMC	mesothelium	rat	n.d.	+	+
B103	neuroblastoma	rat	+	n.d.	n.d.
INS-1E	pancreatic beta cell	rat	+	n.d.	n.d.
L6	skeletal muscle cell	rat	[+]	[+]	n.d.
RV	vein	rat	+	n.d.	n.d.
COS-1	kidney	monkey	+	n.d.	n.d.

Adherend cells

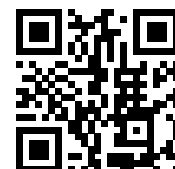
Cell line	Cell type/tissue origin	Organism	MA Transfection (MATra-A)	MA Lipofection (MA Lipofection Enhancer with IBAfect*)	Lipofection (IBAfect)
COS-7	kidney	monkey	+	[+]	n.d.
CV-1	kidney	monkey	+	n.d.	n.d.
Vero 76	kidney	monkey	+	n.d.	n.d.
BHK-21	kidney	hamster	n.d.	+	+
V79	lung fibroblast	hamster	+	n.d.	n.d.
CHO	ovary	hamster	+	+	+
CHO (AA8)	ovary	hamster	+	n.d.	n.d.
CHO-K1	ovary	hamster	+	n.d.	n.d.
Sf9 (ATCC)	pupal ovary	Spodoptera frugiperda	+	n.d.	n.d.
PT-11	kidney	bovine	n.d.	+	+
MDBK-RI	kidney	bovine	+	n.d.	n.d.
MDBK-ZH	kidney	bovine	+	n.d.	n.d.
KOP/R	oesophagus	bovine	+	n.d.	n.d.
MDCK	kidney	canine	+	n.d.	n.d.
MTH53A	epithelial	canine	+	n.d.	n.d.
CRFK	kidney	cat	n.d.	+	+
CCB	brain	carp	+	n.d.	n.d.
LHM	hepatoma	chicken	+	n.d.	n.d.
VSa13	bone (chondrocyte-like)	fish	+	n.d.	n.d.
PTK2	kidney	potoroo	+	n.d.	n.d.
LLC-PK1	kidney	pig	+	n.d.	n.d.
SPEV	kidney	pig	+	n.d.	n.d.
PK15	kidney	pig	+	n.d.	n.d.
AM-C6SC8	kidney	pig	n.d.	+	+
RK 13	kidney	rabbit	+	n.d.	n.d.
QM9	muscle	quail	+	n.d.	n.d.
A6	kidney	xenopus	+	n.d.	n.d.

Suspension Cells

Cell line	Cell type/tissue origin	Organism	MA Transfection (MATra-A)	MA Lipofection (MA Lipofection Enhancer with IBAfect*)	Lipofection (IBAfect)
THP-1	acute myeloid leukemia	human	n.d.	+	+
Jurkat	acute T-cell lymphoma	human	n.d.	+	+
BL-41	B-cell lymphoma	human	+ (& MATra-S)	n.d.	n.d.
K562	chronic myeloid lymphoma	human	+ (& MATra-S)	n.d.	n.d.
U937	histiocytic lymphoma	human	+ (& MATra-S)	n.d.	n.d.
P815	mastocytoma	mouse	n.d.	+	+
S2	embryonic	drosophila	[+]	[+]	[+]
Sf9	pupal ovary	Spodoptera frugiperda	[+]	[+]	[+]

Primary Cells

Cell line	Cell type/tissue origin	Organism	MA Transfection (MATra-A)	MA Lipofection (MA Lipofection Enhancer with IBAfect*)	Lipofection (IBAfect)
	aortic endothelial cells	human	+	n.d.	n.d.
	B-lymphocyte	human	+ (& MATra-S)	n.d.	n.d.
	cardiomyocytes	human	+	n.d.	n.d.
	colon carcinoma	human	+	n.d.	n.d.
	dendritic cell	human	+ (& MATra-S)	n.d.	n.d.
	endothelial cell (HUVEC, HDMEC)	human	+	n.d.	n.d.
	Fibroblasts (NHDF)	human	+	+	+
	fibroblasts, diploid	human	+	+	+
	gastric gland	human	+	n.d.	n.d.
	glioma	human	+	n.d.	n.d.
	head and neck cancer cell	human	+	n.d.	n.d.
	hematopoietic progenitor cell	human	+	+	+
	hippocampal neurons	human	+	n.d.	n.d.
	keratinocytes	human	n.d.	+	+
	dermal microvascular endothelial cell (HDMEC)	human	+	n.d.	+
	kidney	human	+	n.d.	n.d.
	LNCaP	human	n.d.	+	+
	mammal epithelium	human	n.d.	+	+
	nasal airway epithelium	human	+	n.d.	n.d.
	osteoblast cell	human	+ (siRNA)	n.d.	n.d.
	pancreatic cell	human	n.d.	+	n.d.
	pancreatic tumor	human	+	n.d.	n.d.
	peripheral blood lymphocytes	human	+	+	+
	stroma cells (endometrium)	human	n.d.	+	+
	T-lymphocyte	human	+	n.d.	n.d.
	trophoblastic cells	human	n.d.	+	+
	uterus	human	+	n.d.	[+]
	endothelial cell	mouse	+	n.d.	n.d.
	endothelial cell, lung	mouse	+	n.d.	n.d.
	endothelial cell, heart	mouse	+	n.d.	n.d.
	embryonic fibroblasts (MEF)	mouse	+	+	+
	embryonic stem cell (mES)	mouse	+	n.d.	n.d.
	hippocampal neurons	mouse	+	n.d.	n.d.
	macrophage	mouse	+	n.d.	n.d.
	myoblasts	mouse	+	n.d.	n.d.
	neurons	mouse	+	n.d.	n.d.
	neuroblastoma	mouse	+	n.d.	n.d.
	neurons, cortical	mouse	+	n.d.	n.d.
	peripheral blood lymphocytes	mouse	n.d.	+	+
	T-lymphocyte	mouse	+	n.d.	n.d.
	thymus cell	mouse	[+]	[+]	[+]
	endothelial cell, aorta	rat	[+]	[+]	[+]
	hepatocyte	rat	+	+	+
	hippocampal neuron	rat	+	[+]	[+]
	liver cell	rat	[+]	[+]	[+]
	SG (ganglion)	rat	[+]	[+]	n.d.
	neuron (E18.5)	rat	+	n.d.	n.d.
	aortic endothelial cell	bovine	+	n.d.	n.d.



Primary Cells

Cell line	Cell type/tissue origin	Organism	MA Transfection (MATra-A)	MA Lipofection (MA Lipofection Enhancer with IBAfect*)	Lipofection (IBAfect)
	carotid artery smooth muscle	bovine	+	n.d.	n.d.
	chromaffine cell	bovine	n.d.	+	+
	lens	bovine	+	n.d.	n.d.
	nasal airway epithelium	bovine	+	n.d.	n.d.
	airway epithelium	pig	n.d.	+	+
	chondrocyte	pig	+	n.d.	n.d.
	fibrochondrocyte	pig	+	n.d.	n.d.
	pSM, smooth muscle	pig	n.d.	+	+
	testis cell	pig	+	n.d.	n.d.
	fibroblast	chicken	+	n.d.	n.d.
	synovial cell	goat	+	n.d.	n.d.
	Mamestra brassicae	lepidopteran (insect cell)	+	n.d.	n.d.
	kidney cell	monkey	+	n.d.	n.d.
	thymus cell	rabbit	+	n.d.	n.d.
	thymus cell	sheep	+	n.d.	n.d.
	plexus	sheep	+	n.d.	n.d.
	thymus cell	wisent	+	n.d.	n.d.

* in some examples given in this table a lipofection reagent other than IBAfect has been used

n.d. = not determined

[+] = either MATra, Enhancer or IBAfect has been used

FOR IN VITRO RESEARCH USE ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC PROCEDURES.

PromoCell GmbH

Sickingenstr. 63/65
69126 Heidelberg
Germany

Email: info@promocell.com
www.promocell.com

USA/Canada

Phone: 1 – 866 – 251 – 2860 (toll free)
Fax: 1 – 866 – 827 – 9219 (toll free)

Deutschland

Telefon: 0800 – 776 66 23 (gebührenfrei)
Fax: 0800 – 100 83 06 (gebührenfrei)

France

Téléphone: 0800 – 90 93 32 (ligne verte)
Téléfax: 0800 – 90 27 36 (ligne verte)

United Kingdom

Phone: 0800 – 96 03 33 (toll free)
Fax: 0800 – 169 85 54 (toll free)

Other Countries

Phone: +49 6221 – 649 34 0
Fax: +49 6221 – 649 34 40

© PromoCell GmbH