



COLORS

+ Viomer® BLUE | + Viomer® GREEN | + Viomer® RED | + Viomer® YELLOW

TRANSFECTION EFFICIENCY

+ < 30% | ++ 30-50% | +++ 50-80% | ++++ > 80%
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Cell type	Origin	siRNA	mRNA	pDNA	Data	Publication
22Rv1	Human prostate carcinoma, epithelial cells	+++			SEE DATA	
A549	Human lung adenocarcinoma, epithelial cells	+++		+++		
AD-293	Human embryonic kidney, derivative from HEK-293 fibroblasts			++++		
Astrocytes	Mouse primary astrocytes, isolated from postnatal p5 mice	++++			SEE DATA	
BEAS-2B	Human normal bronchial epithelium	+++		+++		
Blastocysts	Mouse embryos, primary cells	++				
BLM	Human melanoma cells (subline of BRO isolated from lung metastases after subcutaneous inoculation of nude mice with BRO cells)			++	SEE DATA	
BLM-F5	CRISPR clone from BLM			++		
BV-2	Murine microglia-like cells	++++		+		
C17.2	Mouse multipotent neural progenitor or stem-like cells	++++				
C2C12	Murine myoblasts	++++	+++	+++	SEE DATA	
C3H/10T1/2	Murine embryonic fibroblastic cells (pre-adipocytes)	+++			SEE DATA	
C6	Rat glioma, glial cells			+++		
CB committed basal cells	Human primary patient-derived prostate epithelial	+++				PUBLICATION
Caco-2	Human colon carcinoma, epithelial cells	++++				
Cancer stem cells	(3D-mammospheres)	+++			SEE DATA	

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Cardiomyocytes	Primary rat neonatal cardiomyocytes			++	SEE DATA	
CHO	Chinese hamster ovary, epithelial cells	++++	++++	++++ ++++		PUBLICATION
CHO DG44	Mutant (dihydrofolate reductase-deficient) CHO cells			+		
CHO-K1	Chinese hamster ovary, epithelial cells	++++				
Chondrocytes	Human primary cells			++		
COS-7	African green monkey kidney cells, fibroblasts			++++		
CT26	Mouse colon carcinoma	++++ ++++			SEE DATA	
Dendritic cells	Human primary cells	+++				
Dental follicle stem cells	Human multipotent ectomesenchymal stem cells (wisdom teeth's follicle)	+++			SEE DATA	
Disaggregated xenograft	primary human	++++			SEE DATA	
F11	Fusion between mouse embryonic neuroblastoma N18TG2 and rat dorsal root ganglion (DRG) neurons, somatic cells			+ +		
FAO	Rat hepatoma, hepatocytes			++++	SEE DATA	

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Fibroblasts	Human primary cells	+++ +++		++	SEE DATA	
Fibroblasts	Rat primary cells (heart)	+++ +++				
Fibroblasts	Mouse primary cells	+++ +++			SEE DATA	
H23	Human non-small cell lung adenocarcinoma, epithelial cells	++++				
H358	Human non-small cell lung carcinoma, epithelial cells			+++		
H441	Human lung papillary adenocarcinoma, epithelial cells			+ +		
H9c2	Rat cardiomyocytes	+++		+++	SEE DATA	
HaCaT	Human keratinocytes	+++		++ +		
HAP-1	Human fibroblast-like cells			+++		
hCMEC/D3	Human cerebral microvascular endothelial cells			+		

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HCT116	Human colon carcinoma, epithelial cells	+ + + +		+ + + +		
HEK-293 T	Human embryonic kidney fibroblasts	+ + + +		+ + + +		
HeLa	Human cervix epitheloid carcinoma cells	+ + + +		+ + + + + +	SEE DATA	
Hep G2	Human hepatocarcinoma, epithelial cells	+ + + +	+ + + +	+ + +		
Hepatocytes	Mouse primary cells	+ + + +		+ + +	SEE DATA	
HepaRG™	Human hepatic cell progenitors			+ + + +	SEE DATA	
HepaSTEM	Human liver mesenchymal stem/progenitor cells			+ + +		
HL-1	Mouse cardiomyocytes			+ + + +	SEE DATA	
Hs 746T	Human gastric carcinoma, epithelial-fibroblast cells	+ + + + + + + +			SEE DATA	
HT-29	Human colon adenocarcinoma, epithelial cells	+ + +				
hTERT-RPE1	Human immortalized retinal pigment epithelial cells			+ + + + + +		
HUH-7	Human hepatocarcinoma, epithelial cells	+ + +		+ + +		

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Cell type	Origin	siRNA	mRNA	pDNA	Data	Publication
HUVEC	Human umbilical vein endothelial cells	+++	++++	++++	SEE DATA	
iPS	Induced pluripotent stem cells			++		
J774	Mouse macrophages			++++	SEE DATA	
Kasumi-4	Human myeloid leukaemia, lymphoblasts	++++				
Keratinocytes	Human primary cells			+++	SEE DATA	
KG-1a	Human acute myelogenous leukemia, myeloblasts	++++			SEE DATA	
Kidney cell line	self established			++++		
LLC-PK1	Porcine proximal tubular kidney, epithelial cells	++++			SEE DATA	
Ln-229	Human glioblastoma cells	+++ +++			SEE DATA	
LNCaP	Human prostate carcinoma, epithelial cells	++++				
M-2 macrophages	Human primary cells	++++ ++++			SEE DATA	
Macrophages	Human primary cells	++++				
Macrophages	Human primary cells, differentiated from PBMCs	+++				
Macrophages	Mouse primary bone marrow macrophages	++				

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Macrophages	Mouse primary bone marrow derived macrophages	+++				PUBLICATION
Macrophages	primary human, monocyte-derived	+++ ++++	+++	++++	SEE DATA	
Macrophages	Mouse primary, bone marrow progenitor cell derived			+		
MCF 10A	Human breast adenocarcinoma, epithelial cells			+ ++		
MCF-7	Human breast adenocarcinoma, epithelial cells	+++		+++	SEE DATA	
Mammosphere	Mouse epithelial cells, cancer stem cells (3-D Mammospheres)	+++			SEE DATA	
MDA-MB-231	Human breast adenocarcinoma, epithelial cells	++++		+ +		
MDA-MB-468	Human breast adenocarcinoma, epithelial cells	++++				
MDCK	Canine kidney epithelial cells			+++		
MDDC	monocyte-derived dendritic cells, primary human	+++				PUBLICATION
MDOK	Ovine kidney epithelial cells			++		
MDSC	Myeloid derived suppressor cells		+++	++	SEE DATA	
MEF	Murine embryonic fibroblasts			+++		

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Cell type	Origin	siRNA	mRNA	pDNA	Data	Publication
MEL	Mouse erythroid progenitor cells			+	SEE DATA	
Melanoma cells	Human melanoma (self-established cell line)	++++			SEE DATA	
Microglia	Murine primary cells	++++			SEE DATA	
MIN6	Mouse insulinoma cells (pancreas, beta cells), epithelial cells	+++			SEE DATA	
Monocytes	primary human, from systemic sclerosis patients and healthy controls	++++				PUBLICATION
Monocytes	Human primary cells (isolated from blood bank buffy coats)	++++	++++		SEE DATA	
MRC-5	Human lung fibroblast cells	+++				
MSC	Human primary mesenchymal stem cells	++++		+++ +	SEE DATA	PUBLICATION
MSTO-211H	Human lung mesothelioma cells (fibroblasts)	+++				
MTT	Medullary thyroid tumor, primary	++++			SEE DATA	
MV4-11	Human acute monocytic leukemia	+++			SEE DATA	
Myoblasts	Human primary cells (undifferentiated skeletal myoblasts)	++++		++ ++	SEE DATA	
NCH149	Human glioblastoma	++++ ++++			SEE DATA	

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NCH82	Human glioblastoma	++++ ++++			SEE DATA	
NCI-H295	Human adrenocortical carcinoma, epithelial cells	++++ +++			SEE DATA	
NIH-3T3	Murine embryonic fibroblasts	+++		+		
NIH/3T3-L1		++++			SEE DATA	
NTERA-2	Human pluripotent embryonic testicular carcinoma, epithelial cells			+++	SEE DATA	
Oligodendrocytes	Rat primary cells			++	SEE DATA	
P4E6	Human prostate cancer, epithelial cells	++++			SEE DATA	
PBMC	Human peripheral blood mononuclear cells (dendritic cells)	+++				
Pheochromocytoma	primary mouse	+++ ++++			SEE DATA	
Pre-adipocytes	Human differentiated mesenchymal stem cells	+++		+ +		
Ramos	Human B lymphocytes	++				PUBLICATION
RAW 264.7	Murine monocytes/macrophages (myeloblasts)	+++	+++	+++	SEE DATA	PUBLICATION

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RMS	Human rhabdomyosarcoma (myoblasts)	++++			SEE DATA	
Schwann cells	Mouse brain primary cells	++				
SGBS pre-adipocytes	Human cells	+++				PUBLICATION
SH-SY5Y	Human neuroblastoma	++++		+++	SEE DATA	PUBLICATION
SUM159	Human breast cancer cells			+++		
TEU-2	Human ureter, immortalized cell line	+++				
THP-1	Human acute monocytic leukaemia cells (lymphoblasts)	++++ ++++	+++	+ +	SEE DATA	
TIG-1	Human diploid fibroblast-like cells			+++		PUBLICATION
U-2 OS	Human bone osteosarcoma, epithelial cells	++++ ++++			SEE DATA	PUBLICATION
U-251 MG	Human glioblastoma, glial cells	++++ ++++			SEE DATA	
U-87	Human glioblastoma, glial cells	+++			SEE DATA	
UG26-1B6	Murine urogenital ridge-derived cells (stroma cells)			+		
WM266.4	Human skin melanoma, epithelial cells			++		