

QIAGEN has the right transfection reagent for your application

The proven activated-dendrimer reagent SuperFect and the new non-liposomal lipid reagent Effectene represent the latest advances in transfection technology. The table below lists examples of cells that have been successfully transfected with one or both reagents. These guidelines for reagent choice are based on our current knowledge from tests performed so far.

Cell line	Cell source and type	Origin	Effectene Reagent	Superfect Reagent
Adherent cells				
Hela S3	Cervix carcinoma	Epithelial	Human	✓
293	Kidney transformed	Epithelial	Human	✓
Saos-2	Osteosarcoma	Epithelial	Human	✓
HT1080	Fibrosarcoma	Epithelial	Human	n.d.
Hep2	Hepatoma	Epithelial	Human	✓
LMH	Hepatoma	Epithelial	Chinese	✓
PTC	Kidney tubular	Epithelial	Mouse	✓
HT29	Colon adenocarcinoma	Epithelial	Human	✓
SW-480	Colon adenocarcinoma	Epithelial	Human	✓
ECV304	Umbilical cord	Endothelial	Human	✓
HaCat	Keratinocyte		Human	✓
HTZ-19	Melanoma		Human	✓
SK-MEL-1	Malignant melanoma		Human	✓
CCS-7	Kidney SV40-transformed	Fibroblast	Monkey	✓
NIH/3T3	Embryo	Fibroblast	Mouse	✓
CRE BAC2	MMV-transfected	Fibroblast	Mouse	n.d.
PA 317	Embryo	Fibroblast	Mouse	n.d.
AtT20	Pituitary tumor		Mouse	✓
L6	Skeletal muscle	Myoblast	Rat	✓
Suspension cells				
Jurkat	T-cell leukemia	Lymphoblast	Human	✓
HUT78	T-cell leukemia		Human	n.d.
U937	Histiocytic lymphoma	Lymphoblast	Human	✓
MOLT-4	T-cell leukemia	Lymphoblast	Human	✓
THP-1	Monocyte		Human	✓
M12.4	B cell	Lymphoblast	Mouse	✓
MC-9	Mast cell		Mouse	✓
Primary cells				
Primary		Umbilical vein endothelial cells	Human	✓
Primary		Fibroblasts	Mouse	✓
Primary		Bone marrow cells	Mouse	✓
Primary		Hepatocytes	Rat	✓
Primary		Aortic smooth muscle cells	Rabbit	✓
Primary		Gastric parietal cells	Rabbit	✓

Blue denotes cell lines that were evaluated at laboratories at QIAGEN, and *black* denotes cell lines that were evaluated by independent laboratories.

✓ represents successful transfection with the indicated reagent.

□ indicates the recommended reagent based on our current knowledge.

X indicates that the reagent did not perform well with this cell line for the plasmid construct tested.

n.d.: not determined for this cell line.