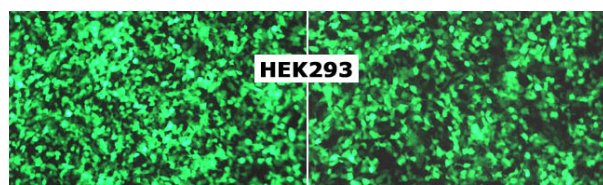




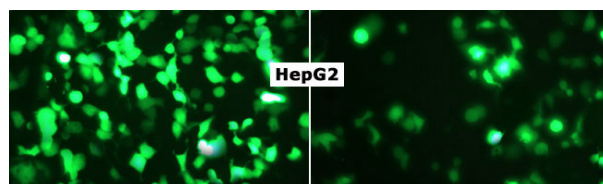
High efficiency Transfection Reagent at a reasonable price!

PolyJet™ DNA In Vitro Transfection Reagent

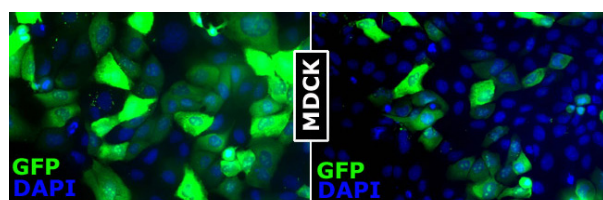
PolyJet™ DNA In Vitro Transfection Reagent is based on SignaGen® proprietary polymer synthesis technology. PolyJet™ is formulated as a biodegradable polymer that ensures effective and reproducible transfection for a broad range of hard-to-transfect mammalian cells. A remarkable feature of the reagent is the rapid and complete degradation of the polymer after transfection complex endocytosis, which is why it is much less cytotoxic. PolyJet™ is a very affordable alternative to the leading products for transfecting a variety of common mammalian cells.



HEK293FT
PolyJet™ **Lipofectamine 2000**
A comparison showing transfection efficiency of PolyJet™ reagent vs. a leading product, Lipofectamine 2000 on HEK293FT cells. HEK-293FT cells were transfected with GFP vector (pEGFP-N3) by PolyJet™ (left panel) and Lipofectamine 2000 (right panel) respectively. The cells were visualized by Nikon Eclipse Fluorescence microscope 24 hours post transfection



HepG2
PolyJet™ **Lipofectamine 2000**
A comparison showing transfection efficiency of PolyJet™ reagent vs. a leading product, Lipofectamine 2000 on HepG2 cells. HepG2 cells were transfected with GFP vector (pEGFP-N3) by PolyJet™ (left panel) and Lipofectamine 2000 (right panel) respectively. The cells were visualized by Nikon Eclipse Fluorescence microscope 24 hours post transfection



MDCK
PolyJet™ **FuGene HD**
Transfection efficiency comparison of PolyJet™ vs. Fugene HD on MDCK cells. A plain GFP DNA was transfected into MDCK cells with PolyJet™ (left panel) and Fugene HD (right panel) reagents respectively per manufacturers' protocols. GFP and DAPI staining were visualized under fluorescence microscopy 48 hours post transfection. The above comparison data and pictures were completed and provided by Dr. Ge Zhou of NYU Medical Center as courtesy

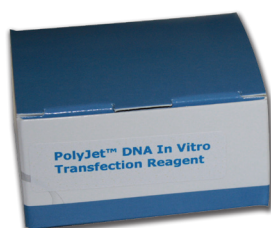
Broad Transfection Spectrum for Mammalian Cell Types

Cell Lines	Efficiency (% GFP)	Cell Lines	Efficiency (% GFP)
McArdle 7777	65-70%	SAOS-2	58%
Hep3D	67-76%	SN56	81%
SHEP	68-71%	MC3T3-E1	80%
3T3-442A	35%	Primary melanocyte	35%
COS-7	85-90%	K562	38%
CV-1	60%	L929	59%
D 407	70%	MCF-7	68%
DHD Pro.b	70%	MDCK	68%
3LL	80%	Neuro2A	86%
B16-F10	85%	NIH 3T3	76%
BAEC	51%	PC12	50%
BHK-21	80%	SH-SY5Y	25%
Ca Ski	88%	SiHa	60%
CaCo2	60%	SKOV3	65%
CHO	88%	Huh-7	70%
HCS-2/8	61%	IGROV1	35%
HEK-293	86%	DF-1, Chicken Embryonic Cell	50%
HeLa	88%	6CSFMEo	71%
HLMEC	72%	WEHI 231	26%
H-MVEC	59%	A549	75%
Huh-7D12	72%	LNCap	75%
ATT20	46%	Prim. mouse keratinocyte	29%
SK-N-SH	29%	Prim. human skin fibroblast	50%
C2C12	46%	Prim. human pre-adipocyte	32%
HepG2	72%	Prim. mouse embry. fibroblast	30%

Features

- Broad range of hard-to-transfect mammalian cell
- Low cytotoxicity
- High levels of recombinant protein production
- Works equally well for long DNAs (>89 kb), single and multi DNA co-transfection
- Simple and robust transfection procedure
- Very affordable

Product Information



NEW! **SignaGen®**
Laboratories

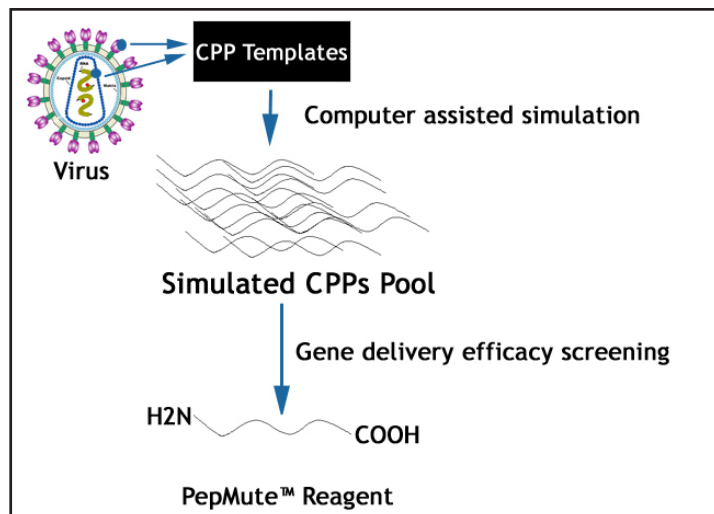
PolyJet™ DNA In Vitro Transfection Reagent

Cat #	Unit Size	Price
SL100688.1	1 ml	\$150
SL1006880.1	0.1ml	\$25

1 ml is good for 600-1200 transfections in 24 well plates or 300-600 in 6 well plates

High efficiency Transfection Reagent at a reasonable price!

PepMute™ SiRNA Transfection Reagent



Advantages

- Excellent silencing at final 1.0 nM siRNA
- Over 95% gene silencing in a wide variety of cells
- One tube reaction with easy standard protocol
- Compatible with serum and antibiotics
- Protocols adapted to HTS
- Very low cytotoxicity
- Very affordable

Applications

- siRNA miRNA mimics or mRNA transfection
- DNA/siRNA co-transfection
- DNA oligoes transfection

Size

- PepMute™ Reagent, 1.0 ml, sufficient for ~1,333 reactions based on transfecting 0.5~5.0 pmol siRNA or miRNA mimics in 24-well plate
- PepMute™ Transfection Buffer (5x), formulated for maximal transfection efficiency, 8.0 ml at 5x concentrated stock solution to make 40 ml of working solution

Related Product:

GenMute™ siRNA Transfection Reagent

Applications

- Single siRNA transfection or DNA/siRNA co-transfection to variety of mammalian cells
- Single miRNA, miRNA mimics or inhibitors transfection or DNA/miRNA or DNA/miRNA mimics co-transfection to variety of mammalian cells

GenJet™ Plus DNA In Vitro Transfection Reagent

Applications

- Deliver DNA into mammalian, insect cells
- Greatly enhance (up to 200 times higher efficiency) virus (e.g., replication-deficient Adenovirus) infection of hard-to-transfect



Product	Cat #	Unit Size	Price
PepMute	SL100566.1	1ml	\$199
	SL1005660.1	0.1ml	\$25
GenMute	SL100568.1	1ml	\$199
	SL1005680.1	0.1ml	\$25
GenJet	SL100499.1	1ml	\$199
	SL1004990.1	0.1ml	\$25

