CANFAST™ Transfection Reagent

For a Highly Efficient, Easy & Non-toxic High-throughput Transfection

About us

Since 2001, Canvax has been an original Manufacturer & Supplier of the Most Innovative, **Enzymes, Kits, Buffers and Reagents**. Due our customizable and adaptable manufacturing structure, reduced overhead and capacity to BULK manufacturing with the highest quality standards, we are **leading the Life Science industry in terms of product performance, manufacturing capabilities and customer-service.**

Quality & Certifications

As a leading reagent manufacturer, we are proud of our **first-class manufacturing facilities**, located in Valladolid (Spain) with a total area of 3,400m², specifically **designed for production Enzymes, Buffers and Kits on commercial scale.** Canvax operates in its first-class facilities under certified:

- >> **ISO 9001:2015.**
- >> **ISO 13485:2016** for the Research use Raw Materials and Ancillary Reagents.
- >> **cGMP**, current Good Manufacturing Practice and in continuous improvement according to ICH Q7.

CANFAST™ Transfection Reagent

Transfection is the process of delivery foreign DNA into the nucleus of cells. Plasmid DNA, siRNA, mRNA, oligonucleotides, or even Proteins such as Antibodies, may be transfected.

Inside Transfection, Canvax™ offers CANFAST™ Transfection Reagent. It is a new generation of **Cationic Polymer** with relevant advantages critical for efficient Transfection, such as DNA condensation and endosomal release, which improves gene Transfection Efficiency, delivering a higher stability, reproducibility and resistance, cost-reduction or easy-to-work with.

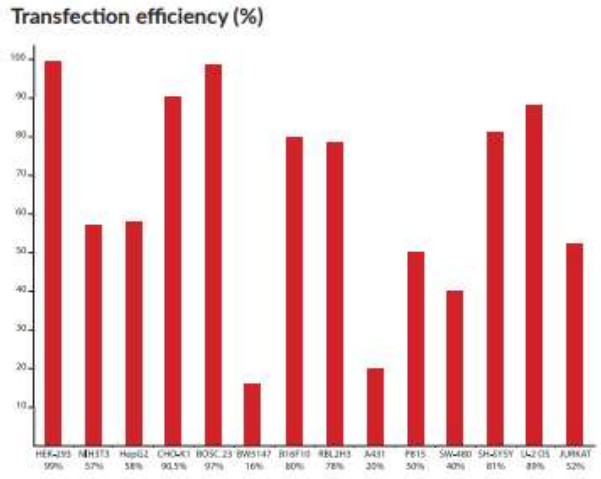
CANFAST™ is widely used for both Primary Cell and established Cell Lines with minimal Cytotoxicity and optimal Transfection Efficiency. It is suitable for transfecting Human Cells as **293-HEK, BOSC 23** and **HepG2**, Mouse Cells as **NIH3T3, P815, B16F10**, Rat Cells as **RBL2H3, PC12**, and Hamster Cells as **CHO-K1**.

Features & Advantages:

- >> **High transfection efficiency and reproducibility in most common cell lines**, both adherent and suspension cell lines.
- >> **Non-toxic:** minimal cytotoxicity with a cell survival rate higher than 90%.
- >> **Serum-compatible in cell cultures.**
- >> **Easy and time-saving protocol:** just 24 minutes for successful transfections with minimal handling.
- >> **Optimized:** direct application for most cell lines.
- >> **Proven performance:** for transient and stable transfections, adherent and suspension cells.
- >> **Cost effective:** minimal amount of DNA required and allows use of the same medium after transfection.



High transfection efficiency in most common cell lines:



Transfection efficiency in different cell lines using CANFAST™. The cell lines have been transfected with a vector expressing green fluorescent protein reporter, driven by cytomegalovirus promoter.

Cells succesfully transfected with CANFAST™ include:

Cells line	Origin	Cell type
CHO-K1	Hamster	Chinese ovary cells, epithelial
HEK-293	Human	Embryonic kidney fibroblast
BOSC 23	Human	Kidney: transformed with adenovirus 5 DNA
HepG2	Human	Hepatocarcinoma, epithelial
A431	Human	Squamous carcinoma
SW480	Human	Colon adenocarcinoma
56FTH 80	Human	Fetal trachea epithellium cells
6CFSMEo-	Human	Submocosal gland epithelium cells
9HTEo-	Human	Adult trachea epithelial cells
A549	Human	Type II pneumocytes
CACO-2	Human	Colorectal adenocarcinoma cells
CFNPE9o-	Human	Nasal epithelium cells
CFPEo-	Human	Trachea epithelium cells
HCS-2/8	Human	Chondrocyte-like cells
HeLa	Human	Cervix epitheloid carcinoma
Hep 2C	Human	Epidermal carcinoma cells
Jurkat	Human	T cell leukemia
KB	Human	Epithelial cells
MCF7	Human	Breast adenocarcinoma cells
Cos-7	Monkey	Kidney cells
B16F10	Mouse	Skin melanoma, epithelial
BW5147	Mouse	AKR/JT cell lymphoma
P815	Mouse	Matocytoma
NIH3T3	Mouse	Embryonic fibroblast
BNL CL.2	Mouse	Hepatocytes
C-26	Mouse	Colon carcinoma cells
C2C12	Mouse	Myoblasts
CT26	Mouse	Non-immunogenic colon carcinoma
L929	Mouse	Subcutaneous connective tissue fibroblasts
MCA-38	Mouse	Colon carcinoma cells
Neuro 2A	Mouse	Neuroblastoma cells
SH-SY5Y	Human	Neuroblastoma cells
LLC-PK1	Porcine	Kidney epithelial cells
RBL2H3	Rat	Basophilic leukemia
Primary cell cultures	**Origin**	
Postmitotic neurons	Human	
Embryonic stem cells	Human	
Embryonic stem cells	Mouse	
Postmitotic	Rat	

Ordering info:

Product Name	Cat. No.	Size
CANFAST™ Transfection Reagent	T0083	1 mL

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