

# 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 3,400m<sup>2</sup>, 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**.

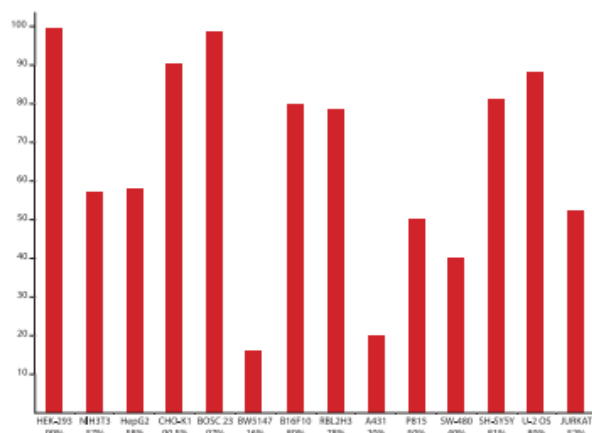
## Features & Advantages:

- >> **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 (%)



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 successfully 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 epithelium cells
6CFSMEo-	Human	Submucosal 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 CL2	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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Prices valid until December 31th, 2023. Taxes and transport not included.

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