

DATA SHEET

Version: 03
Revision date: 20/03/2023Tlf: +34 983 54 85 63
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1. Identification

Product name	CANFAST™ Transfection Reagent
	1 mL
Cat. No	T0083

2. Description

CANFAST is a new generation cationic polymer gene transfection reagent. It has several unique features necessary for efficient transfection, such as DNA condensation and endosomal release, which can improve gene transfection efficiency. Compared with cationic lipids, cationic polymers are very stable, inexpensive, easy to handle and more resistant to serum in cell cultures. The above advantages make gene transfection much easier and reproducible. CANFAST is widely used for both primary cell and established cell lines with minimal cytotoxicity and optimal transfection efficiency. CANFAST can be used for stable and transient transfection.

3. Composition

Item	Quantity
CANFAST transfection reagent (1 mg/ml)	1 ml
pGFP (Control vector, 1 mg/ml)	10 µL

4. Storage

CANFAST Transfection Reagent is shipped at room temperature and should be stored at 4 °C upon arrival.

IMPORTANT: Turbidity should appear upon storage, but this does not affect product performance, just vortex the vial before opening.

5. Features

- Low cytotoxicity: The cell survival rate is over 90% when the experiment is carried out in suitable conditions and with the recommended amount of CANFAST Transfection Reagent.
- Stability in serum: CANFAST is a serum-resistant reagent, so the transfection procedure is very simple: the DNA / transfection reagent complexes can be directly added into complete cell medium and assayed for transfection efficiency after 24-72 h, without the extra work of changing media.
- High-throughput transfection: As the using of CANFAST Transfection Reagent does not require change of medium, it is an ideal reagent for high-throughput transfection.
- Transfection can be finished in half an hour: The whole procedure is simple, time-saving and flexible.
- High transfection efficiency in common cell lines: When compared with some well-known transfection reagents, CANFAST is more stable both in presence and absence of serum and shows higher transfection efficiency than other transfection reagents in many of the most common used cell lines.



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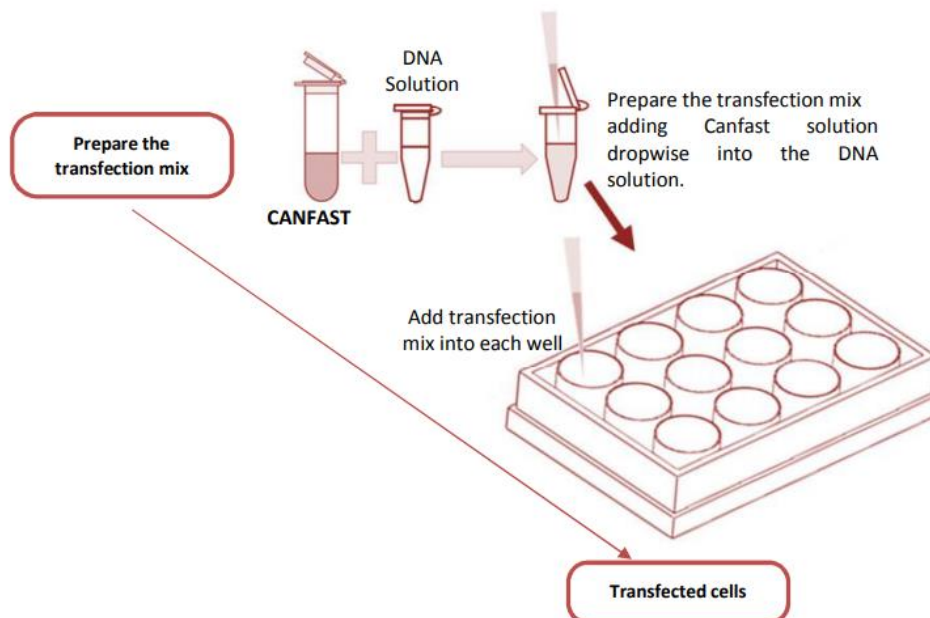
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6. Applications

- High-throughput transfection.
- Stable and transient transfections.
- Co-transfection.
- Transfection of primary cells and cell lines.
- Transfection of adherent and suspension cells.
- All cellular analysis applications.

7. Brief Procedure



8. Further information

Product Use Limitations This product is developed, designed, and sold exclusively only for research purposes use. The product was not tested for use in diagnostics or for drug development, nor is it suitable for administration to humans or animals.

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