

# HyFect™ DNA Transfection Reagent

**Catalog No.:** 30201

**Product Name:** HyFect™ DNA Transfection Reagent

## Description

HyFect™ DNA Transfection Reagent is a low cell toxicity and non-liposome reagent optimized for DNA delivery. It provides effectively, reproducibly, and affordable benefits for scientific research.

## Package size

500 µL

## Storage

-20°C

## Protocol

- Cell preparation:** Cells should be seeded before 16 to 20 hours prior to transfection with around 70% confluency. The medium should be refreshed 30 min before transfection. Usually, culture media with serum does not affect transfection.
- DNA preparation:** DNA plasmid for transfection should be with high purity ( $A_{260}/A_{280}=1.8-1.9$ ) to ensure efficient transfection mixture preparation.
- Mixture preparation:** Guideline of DNA plasmid and HyFect™ DNA Transfection Reagent amount and ratio refer to table 1. In brief, plasmid and transfection reagent are diluted in serum-free culture medium for 5 min then mixed together and tip gently for another 25 min.

- Transfection:** Add mixtures into cell culture dish/plate. The mixture could be removed after 6 to 48 hours and refilled with culture medium.

**Table 1. Recommended formula of transfection mixture**

Culture Dish/Plate	Media Volume	Plasmid/ Serum-free medium	HyFect™ DNA Transfection Reagent/ Serum-free medium
96-well	100 µL	250 ng/ 10 µL	0.75 µL/ 10 µL
24-well	500 µL	500 ng/ 25 µL	1.5 µL/ 25 µL
12-well	700 µL	750 ng/ 35 µL	2.25 µL/ 35µL
6-well	1 mL	1 µg/ 50 µL	3 µL/ 50 µL
6 cm	3 mL	2.5 µg/ 150 µL	7.5 µL/ 150 µL
10 cm	6 mL	5 µg/ 300 µL	15 µL/ 300 µL

## For research use only.

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