

Catalog number	C15054-bulk / C15054-K01								
Package	Customized package / 1 mL								
Product Description	<p>The EasyTrans Transfection Reagent offers high-performance DNA delivery into diverse cell types, prioritizing efficient transfection and minimal cellular toxicity. Engineered to optimize gene expression, this non-liposomal reagent ensures reliable and affordable results for scientific research, consistently delivering DNA effectively and reproducibly.</p>								
Components	<table border="1"> <thead> <tr> <th>Reagents</th> <th>Quantity</th> <th>Form</th> </tr> </thead> <tbody> <tr> <td><i>EasyTrans Transfection Reagent</i></td> <td>1 mL</td> <td>Liquid</td> </tr> </tbody> </table>	Reagents	Quantity	Form	<i>EasyTrans Transfection Reagent</i>	1 mL	Liquid		
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<i>EasyTrans Transfection Reagent</i>	1 mL	Liquid							
Storage and Stability	<p>This product is stable after storage at:</p> <ul style="list-style-type: none"> -20°C for 12 months from date of receipt. 								
Materials Required but not Provided	<p>Devices & Consumables</p> <ol style="list-style-type: none"> 10 mL graduated pipettes 10 µL to 1000 µL adjustable single-channel micropipettes with disposable tips Disposable microcentrifuge tubes Timer Incubator capable of maintaining temperature at 37±1°C Disposable gloves Discard container for bio-medical waste Orbital shaker or platform stirrer <p>Reagents</p> <ol style="list-style-type: none"> Cultured cells Appropriate cell culture medium Purified, endotoxin-free DNA Serum-free medium 								
Procedures	<p>A. Cell preparation</p> <p>Cells should be seeded before 16 to 20 hours prior to transfection with around 70% confluence. The medium should be refreshed 20 minutes before transfection. Usually, culture medium with serum does not affect transfection.</p> <p>B. DNAPreparation</p> <p>DNA plasmid for transfection should be with high purity (A260/A280=1.8-1.9) to ensure efficient transfection mixture preparation.</p>								

C. Mixture preparation

Prepare (Tube A) DNA plasmid and (Tube B) EasyTrans DNA Reagent according to Table 1. Dilute both in serum-free medium then gently mix for 15 minutes before use.

D. Transfection

Add mixtures into cell culture plate. The mixture could be removed after 18-24 hours and refilled with culture medium.

Table1. Recommended formula of transfection mixture

Culture Plate	24-well plate		12-well plate		6-well plate		6 cm dish		10 cm dish	
Medium Volume	500 μ L		1000 μ L		1500 μ L		3000 μ L		6000 μ L	
Tube	A	B	A	B	A	B	A	B	A	B
Serum-free medium	25 μ L	25 μ L	35 μ L	35 μ L	50 μ L	50 μ L	150 μ L	150 μ L	300 μ L	300 μ L
Plasmid	500 ng	-	750 ng	-	1 μ g	-	2 μ g	-	5 μ g	-
EasyTrans Transfection Reagent	-	1 μ L	-	1.5 μ L	-	2 μ L	-	4 μ L	-	10 μ L

Important notes

EasyTrans Transfection reagent is recommended for use with Gibco™ Opti-MEM™ I Reduced-Serum Medium or Gibco™ OptiPRO™ SFM for alternative optimizing transfection efficiency.

For Research Use Only.

Precautions & Warnings

In order to obtain reproducible test results, the following rules should be strictly obeyed:

- All reagents and specimens should be considered as potentially hazardous. We therefore recommend that this product is handled by those persons who have been properly trained.
- Wear suitable protective clothing and disposable gloves.
- Care should be taken to avoid reagents contacting with skin or eyes. If contacted, wash immediately and thoroughly with plenty of clean water.
- This product is intended for Research use only and is not for use in diagnostic and therapeutic procedures.
- This product is designed for a single, one-time use only.
- The assay should be performed as outlined in this manual, and in accordance with all instructions.
- Do not use expired or damaged products.
- Do not mix or substitute reagents with those from different lots or other sources.
- Thoroughly and gently mix all the reagents and specimens prior to use.
- Do not expose all the reagents to strong light during storage or incubation.
- Use disposable graduated pipettes and tips to avoid microbial contamination or cross-contamination of reagents or specimens which may invalidate the test.
- After use, all the reagents and specimens should be regarded as medical waste with risk of biological infection and properly disposed of in accordance with national regulations.