Meet our transfection product family

**Invitrogen™ Neon™ NxT Electroporation System**
Designed to help make transfecting challenging cell lines easy, save precious research time, and reduce the risk of sample loss and contamination.

- Streamline your cell line needs with a single buffer kit
- Follow a 3-step process that removes the cuvette and related pipetting
- Place the instrument within the hood with ease due to its compact size
- Enjoy the flexibility to optimize parameters and save protocols

Request a demo at thermofisher.com/neonnxt

**Invitrogen™ Lipofectamine™ 3000 Transfection Reagent**
Designed for exceptional DNA delivery efficiency into hard-to-transfect, primary, and cancer cell lines.

- A customizable formulation that is easily optimizable for the exact needs of specific cell types enabled by the combination of Lipofectamine 3000 reagent and the Invitrogen™ P3000™ Enhancer Reagent
- Requires a smaller volume of reagent per reaction, and eliminates the need for multiple transfection experiments, which can result in a 10-fold higher efficiency for difficult cells

thermofisher.com/3000

**Invitrogen™ Lipofectamine™ 2000 Transfection Reagent**
Strong performance delivering DNA in a broad range of workhorse cell lines.

- The most cited DNA reagent in scientific literature
- Strong performance with cell lines that are easy to transfect and those of medium difficulty to transfect

thermofisher.com/2000

**Invitrogen™ Lipofectamine™ RNAiMAX Transfection Reagent**
The first lipid-mediated reagent for siRNA delivery.

- Effectively provides maximum knockdown with less siRNA and low cytotoxicity
- Works versatility across a wide range of cell types
- Ideal for high-throughput siRNA transfections

thermofisher.com/rnaimax

**Invitrogen™ Lipofectamine™ MessengerMAX™ Transfection Reagent**
Optimized for transfection of primary cells and neurons.

- Impressive mRNA delivery performance with >60% transfection efficiency in neurons and primary cells
- Fast protein expression with no risk of genomic integration with mRNA-based transfection

thermofisher.com/messengermax

**Invitrogen™ Lipofectamine™ CRISPRMAX™ Cas9 Transfection Reagent**
First transfection reagent optimized for CRISPR-Cas9 RNP delivery.

- Tested in over 20 cell types, including iPSCs, mouse ESCs, N2A, CHO, A549, HCT116, HeLa, and HEK293
- Gentler on cells than electroporation, with high-throughput compatibility
- Ability to provide up to 85% cleavage efficiency

thermofisher.com/crisprmax

**Invitrogen™ Lipofectamine™ Stem Transfection Reagent**
Designed for the most difficult stem cell assays.

- Achieve up to 80% transfection efficiency in PSCs and NSCs and up to 45% in MSCs
- Delivers low toxicity and continues cell proliferation without inducing differentiation

thermofisher.com/lipofectaminestem

**Invitrogen™ Invivofectamine™ 3.0 Reagent**
*In vivo* transfection reagent optimized for RNAi delivery.

- Impressive results with up to 85% knockdown achieved using microgram levels of siRNA
- Use up to 90% less siRNA than required with previous reagents for efficient, effective knockdown

thermofisher.com/invivofectamine
## Transfection product family selection guide

Transfection solutions for DNA, RNA, mRNA, and protein delivery, providing a range of options to best suit your transfection experiment. Use the figure below to find the optimal solution for your cell line type.

### Table: Transfection Product Family Selection Guide

<table>
<thead>
<tr>
<th>Product</th>
<th>Cell type</th>
<th>Payload</th>
<th>Delivery</th>
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<tbody>
<tr>
<td>Neon NxT Electroporation System</td>
<td>Workhorse Workhorse Workhorse Workhorse Workhorse Workhorse</td>
<td>DNA siRNA or miRNA DNA siRNA or miRNA DNA siRNA or miRNA</td>
<td>DNA mRNA mRNA mRNA mRNA mRNA mRNA</td>
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<tr>
<td>Lipofectamine 3000 reagent</td>
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<td>siRNA or miRNA mRNA CRISPR-Cas9 RNP CRISPR-Cas9 RNP</td>
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**Find out more information at [thermofisher.com/transfection](https://www.thermofisher.com/transfection)**

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