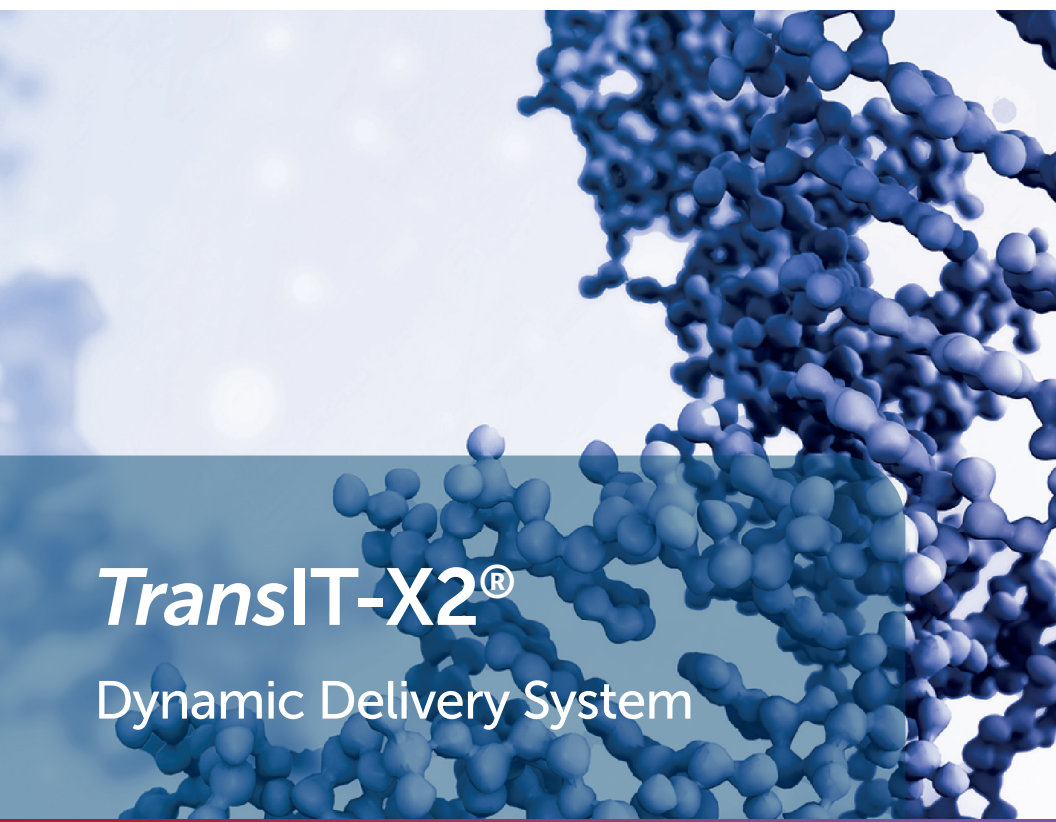




TransIT-X2®

Dynamic Delivery System

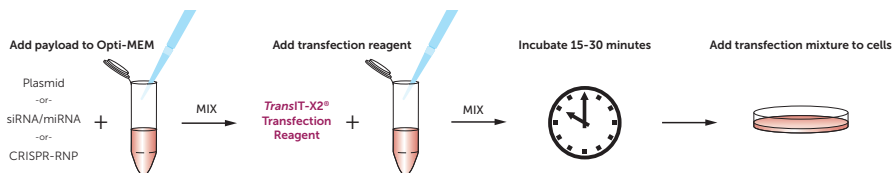
Achieve superior transfections with a proprietary animal origin free, polymer and lipid technology that efficiently delivers DNA, siRNA, miRNA, CRISPR-RNP, and other nucleic acids out of the endosome and into the cytoplasm, overcoming a critical barrier to nucleic acid delivery.

We recently tested *TransIT-X2*® Dynamic Delivery System against Lipofectamine 2000 for DNA transfection of NIH-3T3 fibroblasts and the breast cancer cell line ZR-75-1. We observed higher efficiency and less toxicity when using *TransIT-X2*®.

-Dr. Edwin Li, Associate Professor
St. Joseph's University

- **EFFICIENT** – Compatible with many common and primary cell types
- **ADAPTABLE** – Effective for a variety of applications
- **PROVEN** – Cited in more than 1,500+ publications

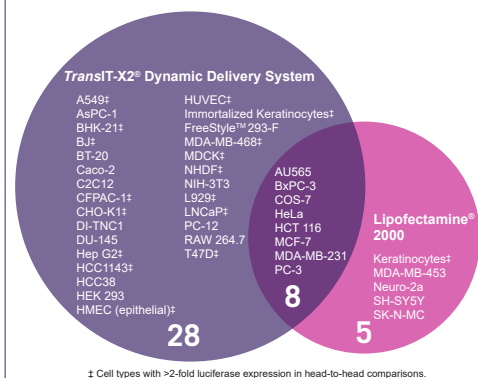
Simple, Streamlined Workflow



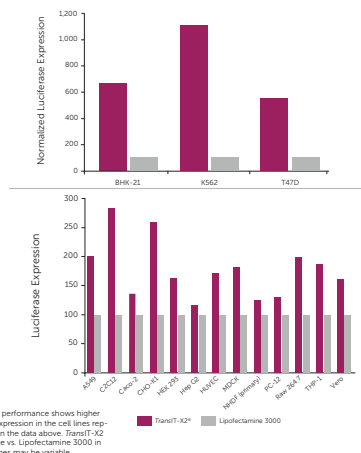
Higher Gene Expression

TransIT-X2[®] and Lipofectamine 2000 or Lipofectamine 3000 were used to transfect plasmid DNA encoding luciferase into popular cell types. Luciferase expression was compared at 24 hours post-transfection.

TransIT-X2[®] vs. Lipofectamine 2000



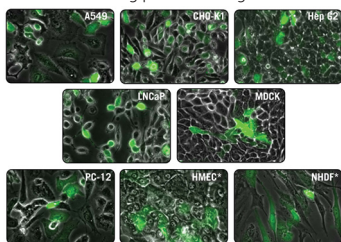
TransIT-X2[®] vs Lipofectamine 3000*



One System - Multiple Applications

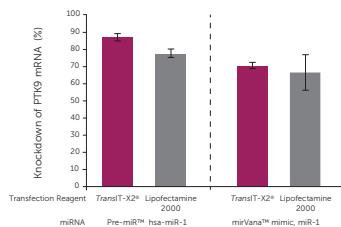
Reporter Plasmid Delivery

GFP expression was visualized in cells transfected with a GFP-encoding plasmid using TransIT-X2.



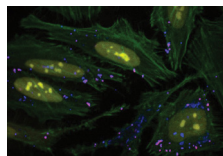
Gene Knockdown

TransIT-X2 and Lipofectamine 2000 were used to transfect T47D cells with miRNA mimics.



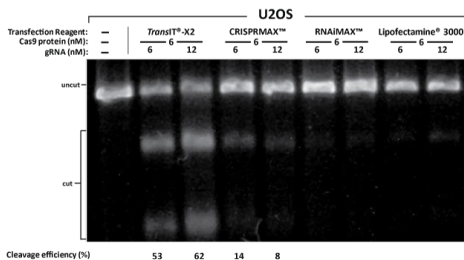
Co-delivery of Plasmid and siRNA

TransIT-X2 was used to transfect Label IT[®] Cy[®]5 labeled DNA (blue) encoding nuclear YFP (yellow) and Label IT[®] Cy[®]3 labeled siRNA (red) into HeLa cells.



CRISPR Genome Editing

TransIT-X2 and Lipofectamine products were used to transfect U2OS cells with CRISPR-Cas9 ribonucleoprotein (RNP) complexes. A T7E1 mismatch detection assay was used to measure cleavage efficiency at 48 hours post-transfection.



Access More Product Information and Product List