



The Transfection Experts

DNA

siRNA




X2
X2

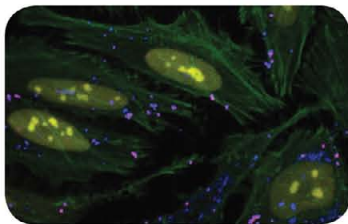
A Transfection Breakthrough

NEW! *TransIT-X2*TM Dynamic Delivery System

Achieve superior transfections with an advanced, non-liposomal, polymeric system that efficiently delivers both DNA *and* RNA out of the endosome and into the cytoplasm, overcoming a critical barrier to nucleic acid delivery.

The *TransIT-X2*TM Dynamic Delivery System gives researchers:

-  **Efficiency**—exceptional broad spectrum transfection
-  **Delivery**—simultaneous delivery of plasmid DNA and siRNA
-  **Technology**—novel, non-liposomal, polymeric technology

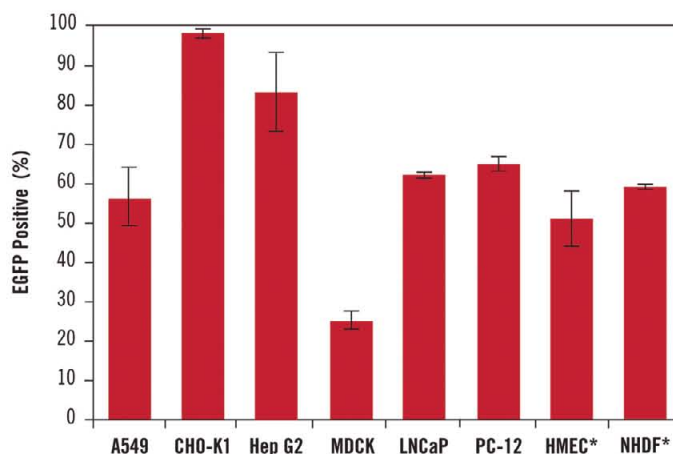


Functional Co-delivery of Plasmid DNA and siRNA. *TransIT-X2*TM Dynamic Delivery System was used to *simultaneously* transfect CyTM55-labeled plasmid DNA (blue) encoding nuclear YFP (yellow) and CyTM3-labeled siRNA (red) into HeLa cells. Actin cytoskeleton is stained green.

www.TheTransfectionExperts.com

Providing gene delivery expertise since 1995

Outstanding GFP Efficiency Using *TransIT-X2*TM Dynamic Delivery System



*indicates primary cell types

Figure 4. High GFP transfection efficiency in multiple cell lines and primary cells using *TransIT-X2*TM Dynamic Delivery System. *TransIT-X2* Dynamic Delivery System was used to transfect plasmid DNA encoding EGFP into A549, CHO-K1, Hep G2, MDCK, LNCaP, PC-12, primary human mammary epithelial cells (HMEC) and normal human dermal fibroblasts (NHDF). Transfections were performed in 96-well plates using 0.2-0.4 μ l of *TransIT-X2* to deliver 0.1 μ g of DNA (2:1, 3:1 or 4:1 reagent: DNA ratio). Triplicate wells were assayed 48 hours post-transfection using a guava easyCyteTM 5HT Flow Cytometer.

*TransIT-X2*TM Dynamic Delivery System Achieves Higher Knockdown than Lipofectamine[®] 2000

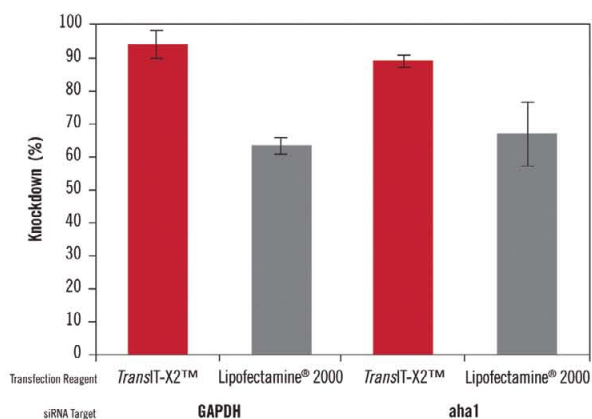


Figure 5. *TransIT-X2*TM Dynamic Delivery System achieves higher knockdown than Lipofectamine[®] 2000. *TransIT-X2* Dynamic Delivery System and Lipofectamine 2000 Transfection Reagent were used to transfect siRNA targeting endogenous proteins - GAPDH, aha1 or non-targeting control in primary normal human dermal fibroblasts (NHDF). Cells were transfected in a 6-well plate using 4 μ l of *TransIT-X2* or 6 μ l of Lipofectamine 2000 and 25nM siRNA according to each manufacturer's protocol. The amount of GAPDH or aha1 mRNA was measured relative to 18s rRNA levels using qRT-PCR and then normalized to the mRNA levels of the no-targeting control, 48 hours post-transfection. Error bars represent the standard deviation of triplicate wells.

Broad Spectrum DNA and siRNA/miRNA Transfection

Product Name	Product No.	Quantity
<i>TransIT-X2</i> TM	MIR 6003	0.3 ml
Dynamic Delivery System	MIR 6004	0.75 ml
	MIR 6000	1.5 ml
	MIR 6005	5 X 1.5 ml
	MIR 6006	10 X 1.5 ml

Advance your transfections with a **FREE Sample**



Don't see your cell type? Use the Reagent Agent[®] transfection database to determine the best solution for your experiment:
www.mirusbio.com/ReagentAgent

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Available in Canada from...



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