



TransIT[®]-siPAK and *TransIT*[®]-siPAK Plus Kits

A trial pack containing two high efficiency, low toxicity siRNA transfection reagents for mammalian cells

- **High Knockdown Efficiency**—Achieve optimal gene silencing in a large percentage of cells to ensure experimental success.
- **Low Cellular Toxicity**—Maintain cell density and reduce experimental biases.
- **Reproducible Results**—Obtain consistent, targeted gene knockdowns from day to day.
- **Trial Size**—Identify the best siRNA transfection reagent for your cells and applications.

Cell Types Successfully Transfected by Mirus Bio:

A549, BHK-21, BNL.CL2, C2C12, C6, CHO-K1, COS-7, Daoy, DB-TRG-05MG, D1-TNC1, DU145, HEK 293, HeLa, Hepa1c1c7, HepG2, human astrocytes, Jurkat, Keratinocytes (NIKS), MCF-7, Neuro-2a, NIH 3T3, PC-3, primary mouse hepatocytes, RAW 264.7, SK-N-MC, THP-1, Vero.

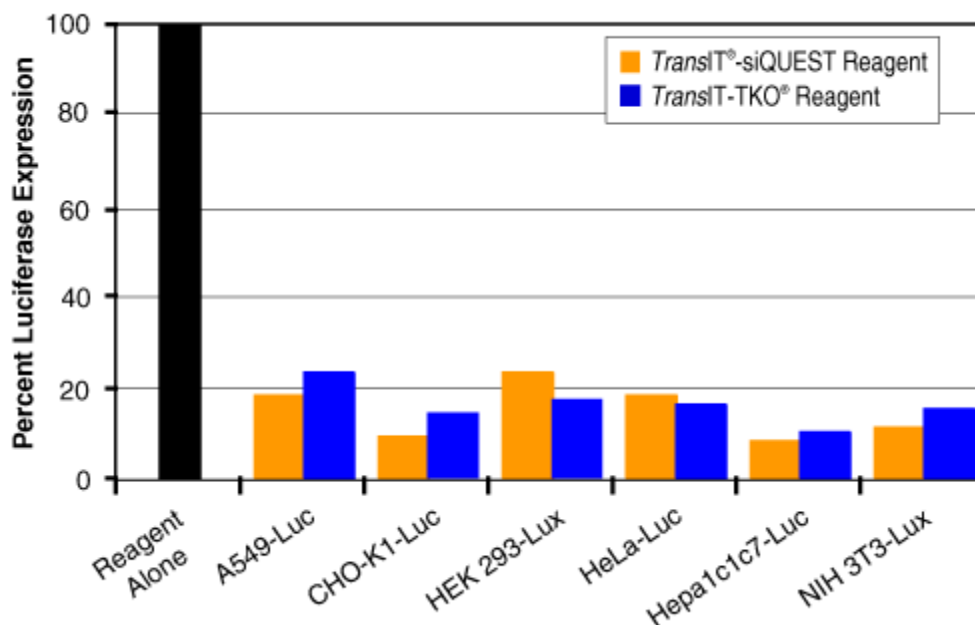


Figure 1. Inhibition of Stably Expressed Firefly Luciferase Using the *TransIT*-siQUEST or *TransIT*-TKO Reagent. Cell lines stably expressing firefly luciferase were transfected with an anti-firefly luciferase siRNA or the reagent alone controls using either the *TransIT*-siQUEST or *TransIT*-TKO Reagent. Twenty-four hours post-transfection, luciferase expression was measured and compared to the reagent alone controls.

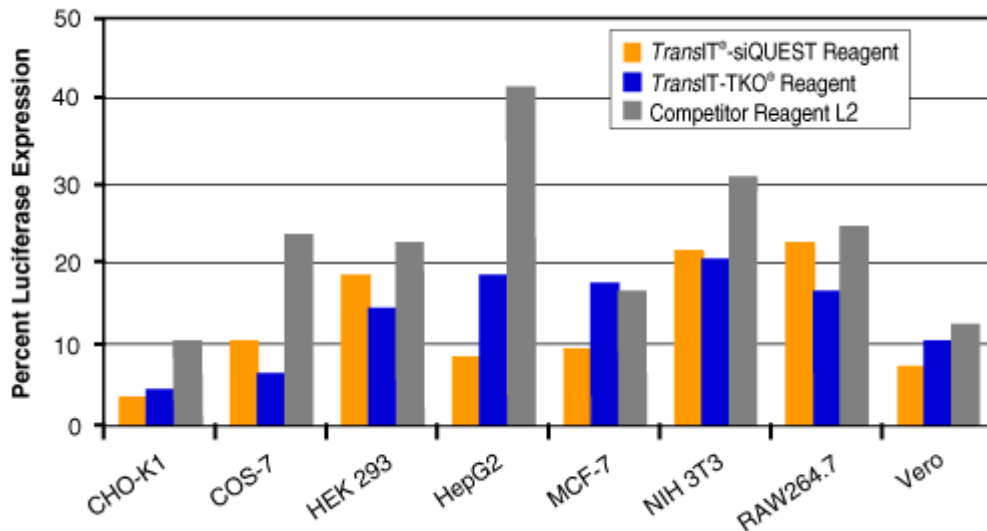
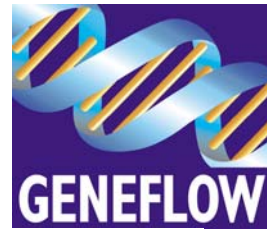


Figure 2. Comparison of *TransIT*-siQUEST and *TransIT*-TKO Reagents to a Competitor Reagent. Reporter plasmid DNA expressing firefly and sea pansy luciferase were co-transfected into the indicated cell line using the *TransIT*-LT1® Reagent. Firefly luciferase was knocked down by transfection of 25nM anti-firefly luciferase siRNA using either *TransIT*-siQUEST (orange), *TransIT*-TKO (blue) or Competitor L2 (gray) Reagents. Bars indicate the percent of normalized firefly luciferase expression as compared to the reagent alone control 24 hours post-transfection.

Figure 3. The *Label IT*® RNAi Delivery Controls Allow Quick Assessment of Delivery Efficiency For *In Vitro* Applications. HeLa cells were transfected in serum-containing media with the *Label IT* Fluorescein RNAi Delivery Control (green) using the *TransIT*-TKO Transfection Reagent. Twenty-four hours post-transfection, the cells were fixed, then counterstained to locate the nuclei (blue) and the actin (red).

