

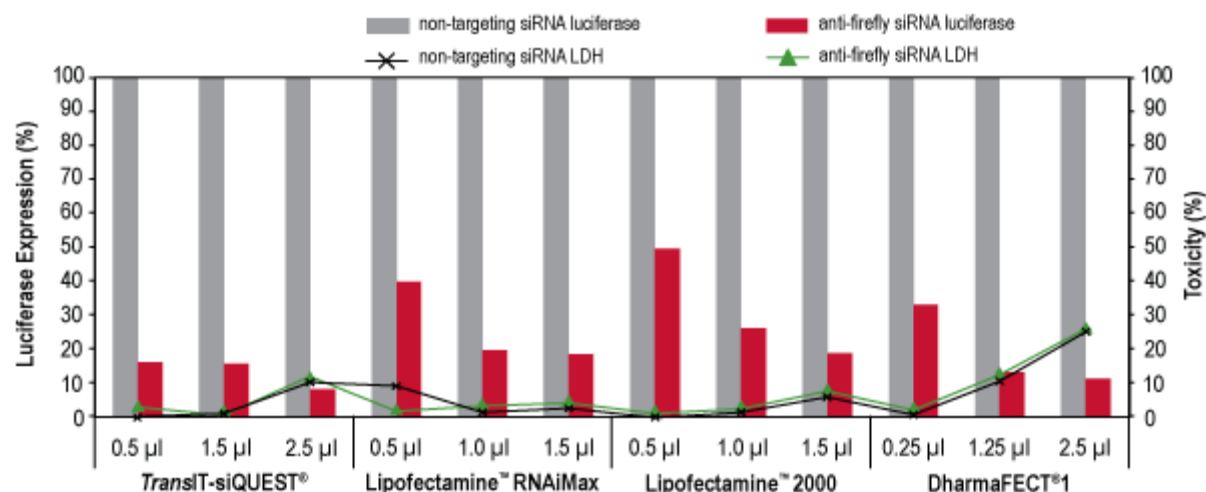
Figures and Data

[High Knockdown and Low Toxicity Using *TransIT*-siQUEST® Reagent in CHO Cells Stably Expressing Firefly Luciferase](#)

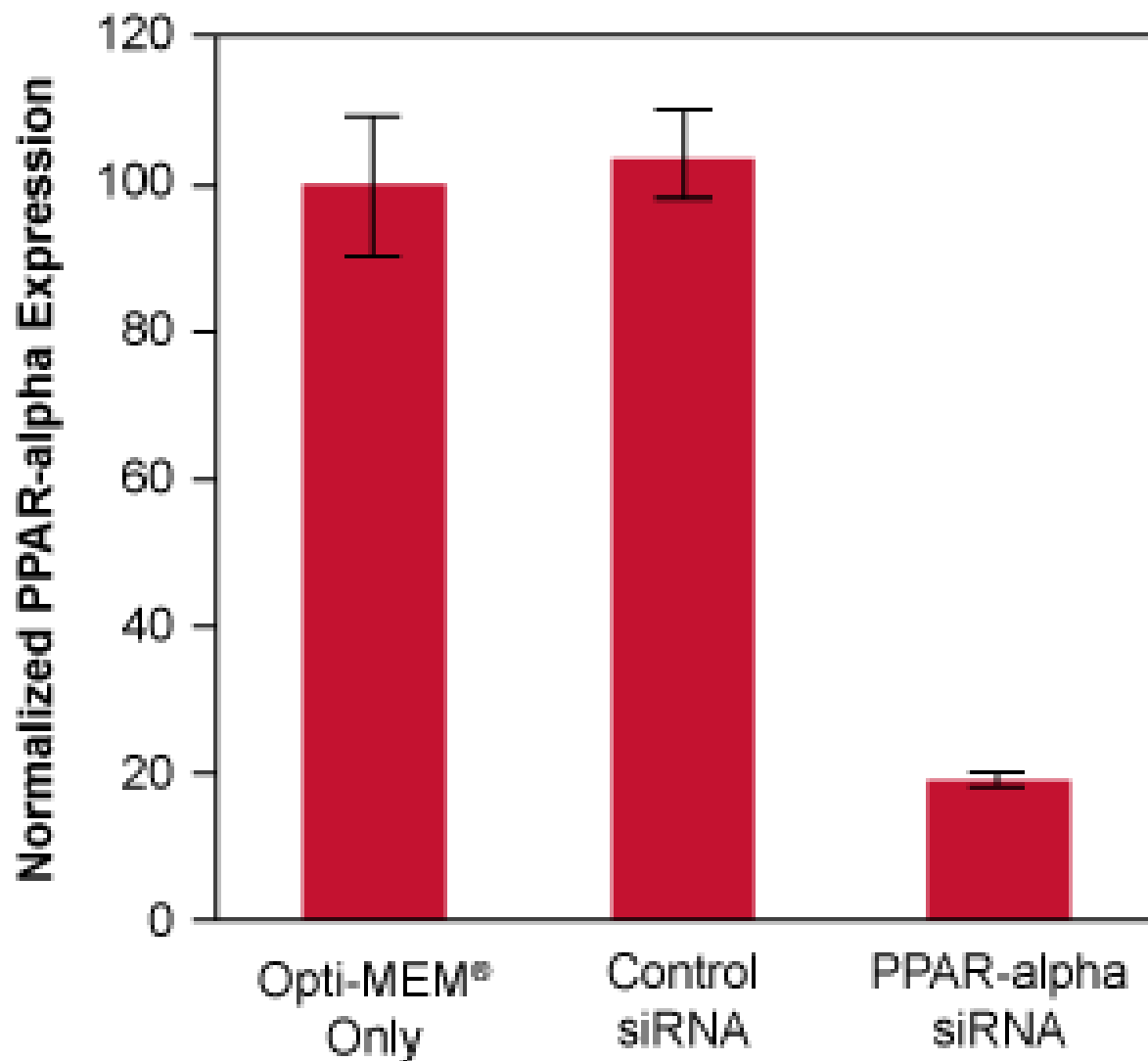
[Inhibition of PPAR-alpha Expression in Primary Mouse Hepatocytes Using the *TransIT*-siQUEST® Reagent](#)

[Delivery of Fluorescently-Labeled siRNA Using *TransIT*-siQUEST® Transfection Reagent](#)

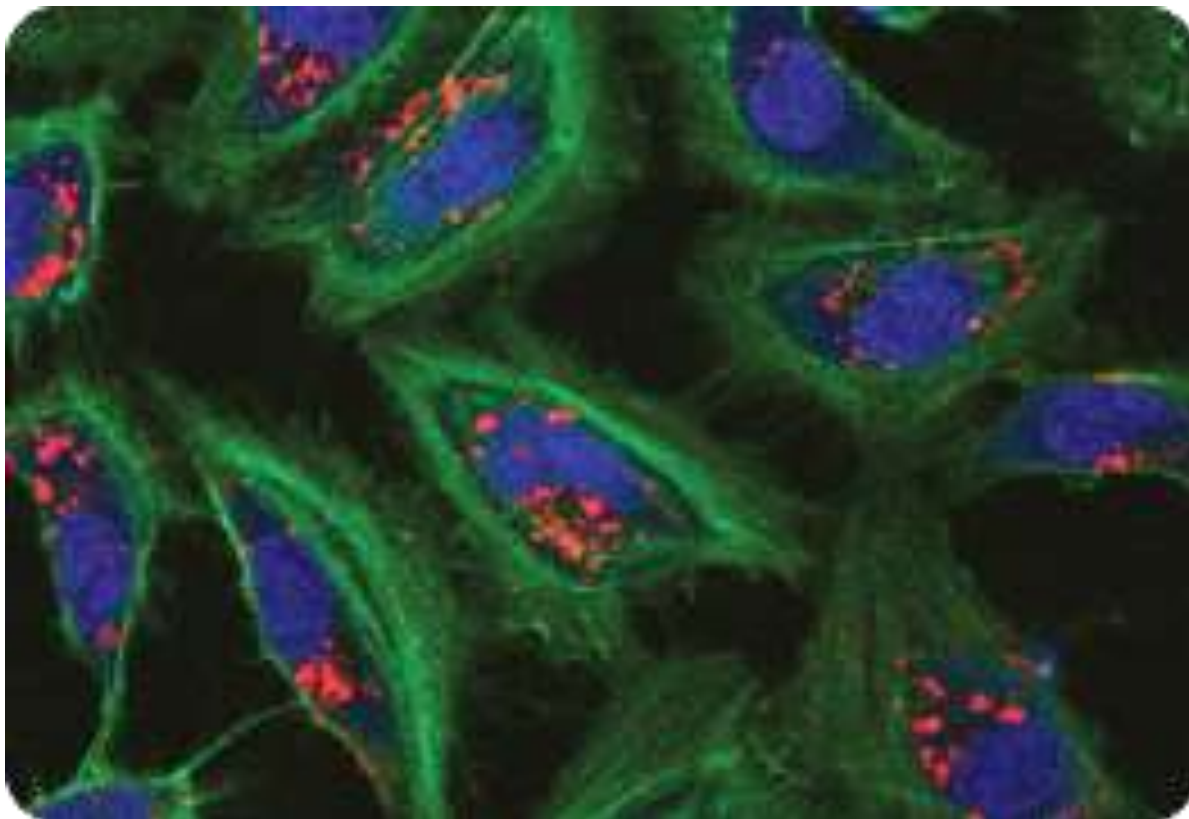
[Efficient Target Gene Knockdown in Selected Cell Lines Using *TransIT*-siQUEST® Reagent](#)



High Knockdown and Low Toxicity Using *TransIT*-siQUEST® Reagent in CHO Cells Stably Expressing Firefly Luciferase. CHO-luc cells were grown in 24 wells plates and transfected with 25 nM of either a non-targeting siRNA or a anti-firefly luciferase siRNA using the indicated reagents with the volumes noted beneath each well. Luciferase expression, normalized to non-targeting siRNA control (bar graph) and lactate dehydrogenase (LDH) levels (line graph) were measured at 24 hours post-transfection. LDH levels are reported as percent cytotoxicity compared to cells alone and were measured using a commercially available colorimetric assay; all values at or below zero are represented as zero on graph.

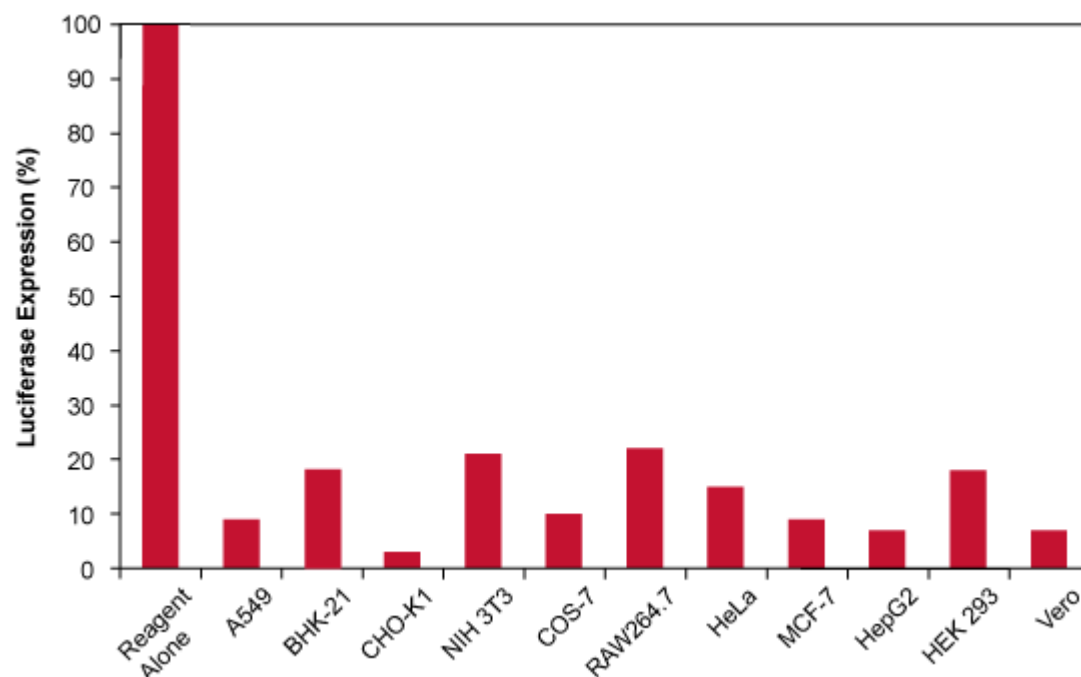


Inhibition of PPAR-alpha Expression in Primary Mouse Hepatocytes Using the *TransIT-siQUEST®* Reagent. Primary mouse hepatocytes were transfected with an anti-PPAR-alpha siRNA or a non-targeting control siRNA using the *TransIT-siQUEST®* Reagent. Twenty-four hours post-transfection, the amount of PPAR-alpha mRNA was measured relative to GAPDH mRNA levels using qRT-PCR and then scaled to the expression level of the specific target mRNA in the Opti-MEM® media only (untreated) control.



Delivery of Fluorescently-Labeled siRNA Using *TransIT*-siQUEST® Transfection Reagent.

HeLa (70% confluence) cells in 12-well plates were transfected with *TransIT*-siQUEST® Transfection Reagent (3 μ l/well) and *Label IT*® siRNA Tracker Cy-3-labeled siRNA duplexes (RED, 25 nM final concentration in the well). The cells were incubated 24 hours post-transfection then fixed and counterstained with counterstained with Alexa Fluor® 488 Phalloidin (GREEN) (Life Technologies). Confocal images were acquired on a Zeiss LSM 510 Confocal Microscope.



Efficient Target Gene Knockdown in Selected Cell Lines Using *TransIT*-siQUEST® Reagent.

Reporter plasmids expressing both firefly and sea pansy luciferase were co-transfected into the indicated cell lines using *TransIT*® Plasmid Transfection Reagents. Targeted knockdown was achieved by transfection of an anti-firefly luciferase siRNA using the *TransIT*-siQUEST® Reagent. Twenty-four hours later, firefly luciferase expression was normalized to sea pansy luciferase expression and compared to the reagent alone control.