

SnapFect™ Transfection Reagent

Efficiently introduce DNA into a wide variety of Cells.

SnapFect: A Superior Cell Transfection
Combines Click Chemistry and Cell Surface Engineering to Deliver Nucleic Acids to Cells.

The Best Cell Model for Your Study

Effective in a broad range of cell lines Including adherent cell models, suspension cells and stem cells.

Excellent Transfection Efficiency

Improves the level of transfection in many Cell types and no post transfection sorting.

Maintain Healthy Cells

Maintains cellular biology and metabolism during transfection to more accurately represent the biology being modeled.

Simplify Assay Design

Easy-to-use robust protocol

Schematic of the overall straightforward procedure to transfect cells via bio-orthogonal chemistry and cell surface engineering (SnapFect). (A) A keto-liposome is added to cells in culture. The liposome rapidly fuses with cells and presents the ketone groups on the cell surface within seconds. To the keto-engineered cells a DNA/oxyamine lipoplex is added. The bio-orthogonal DNA/lipoplex quickly clicks onto the cell surface via oxime ligation. The oxime reaction is fast, mild and can be performed at physiological conditions in vitro and in vivo. The DNA is then endocytosed/released and transfects the cell. The procedure is straightforward and uses minimal time and steps and can be performed on adhered or suspended cells and in serum containing cell culture. (B) The bio-orthogonal mediated nucleic acid transfection strategy is fast and can be performed in a microfluidic and suspension cells format. The mixing of the keto tailored cells with the nucleic acid lipoplex for transfection occurs in less than 1 minute. The cells are then visualized after 24 hours and show high viability and efficiency of transfection and does not require post cell sorting.

