

ibidi Product News: Fuse-It-siRNA—Fast and Biocompatible siRNA Transfection

Fuse-It-siRNA is an innovative new transfection reagent that enables rapid and efficient gene silencing with the highest biocompatibility, even in sensitive and difficult-to-transfect cells, such as primary keratinocytes. ibidi's novel method for endosome-independent siRNA transfection fully retains cellular functionality and viability. Using Fuse-It-siRNA, the researcher can focus directly on the knockdown phenotype without being distracted by side effects of the transfection method, such as cell stress and toxicity.

The simple principle: The Fuse-It liposomal carrier, which includes the siRNA, fuses with the cell membrane and then releases the siRNA directly into the cytoplasm. Thus, the siRNA is immediately incorporated into the RISC complex, leading to efficient gene knockdown without the interfering processes of endocytosis or lysosomal degradation.

Based on the charge of natural cell membranes, Fuse-It-siRNA can be used with most cell types. Especially researchers, who perform knockdown studies in sensitive primary cells, will benefit highly from the extremely low cytotoxicity. Membrane fusion with Fuse-It-siRNA provides a fast and biocompatible solution for targeted gene silencing in living cells.

Image:



http://www.ibidi.com/img/cms/about_us/press/ibidi_pr_2018_09_Fuse_It_siRNA.jpg

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