



User Instructions for siRNA Oligos

General Handling Instructions:

RNA oligonucleotides are vulnerable to exogenous ribonucleases that may be introduced during handling. As a precaution, the siRNAs should not be handled without gloves. Please use RNase-free reagents, barrier pipette tips, and tubes to conduct the experiments. Once you receive the siRNAs, store the siRNA oligos in a freezer at -20°C. For long term storage, keep them in a freezer at -70°C for up to one year.

Resuspension Instructions:

Annealed siRNAs

Before resuspending, briefly centrifuge the tube to ensure the lyophilized siRNA is at the bottom of the tube. Resuspend the siRNA oligos to an appropriate concentration with DEPC water. For example, resuspend one tube of 2.5 nmol (1 OD) siRNA oligo in 125µl of DEPC water to get a final concentration of 20µM. Please note that negative controls will only require half the amount of DEPC water for resuspension because there is only 1.25 nmol (0.5 OD) in each tube.

Component	No. of Tubes	Amount per tube (OD)	Amount per tube (nmol)
siRNA oligo 1	2	1 OD duplex	2.5 nmol
siRNA oligo 2	2	1 OD duplex	2.5 nmol
siRNA oligo 3	2	1 OD duplex	2.5 nmol
GAPDH Positive Control	1	1 OD duplex	2.5 nmol
Negative Control	2	0.5 OD duplex	1.25 nmol
FAM-labelled Negative Control	2	0.5 OD duplex	1.25 nmol

Once reconstituted in DEPC water, the siRNA is ready to use for transfection and can be diluted into different final concentrations (eg. 1-100nM). Store the resuspended siRNA at or below -20°C in a frost-free freezer for short term, or at -70°C for longer term storage.

*Caution: This product is for research use only and is not intended for therapeutic or diagnostic applications.
Please contact a technical service representative for more information (1-866-757-2414).*

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