

Resuspension of duplexed oligonucleotides (<50 nmol yield¹)

A protocol for resuspending dried, annealed oligos, including Dicer-Substrate siRNAs (DsiRNAs)

1. Centrifuge tubes before opening to ensure duplexed oligos are at the bottom of the tube.
2. Resuspend duplexed oligos in Nuclease-Free Water (Cat # 11-04-02-01) to make a stock solution (concentration $\geq 100 \mu\text{M}$). For example:

<i>Duplexed oligo amount</i>	<i>Nuclease-Free Water (100 μM final concentration)</i>
2 nmol	20 μL
10 nmol	100 μL
25 nmol	250 μL
50 nmol	500 μL

3. Make further dilutions (<100 μM) using a buffer containing 100 mM Na^+ or K^+ . For example:

<i>Final concentration</i>	<i>100 μM Duplexed oligo (From Step 2)</i>	<i>Buffer (Containing 100 mM Na^+ or K^+)</i>
50 μM	20 μL	20 μL
20 μM	20 μL	80 μL
10 μM	10 μL	90 μL

To calculate other dilutions, use the online IDT[®] Dilution Calculator at www.idtdna.com.

¹For instructions for resuspending duplexed oligos of ≥ 50 nmol yield, turn card over. Salts will be present following annealing and dry-down processes at IDT. To maintain suitable salt concentrations for the duplex structure of your product, we recommend these resuspension protocols.

Visit www.idtdna.com/protocols to verify that you are using the most current version of this protocol.




INTEGRATED DNA TECHNOLOGIES



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A protocol for resuspending dried, annealed oligos, including Dicer-Substrate siRNAs (DsiRNAs)

1. Centrifuge tubes before opening to ensure duplexed oligos are at the bottom of the tube.
2. Resuspend duplexed oligos in Nuclease-Free Water (Part # 11-04-02-01) to make a stock solution (volume ≤ 500 μ L). For example:

<i>Final Concentration</i>	<i>Duplexed oligo amount</i>	<i>Nuclease-Free Water</i>
200 μ M	100 nmol	500 μ L
500 μ M	250 nmol	500 μ L

3. Make further dilutions (> 500 μ L) using a buffer containing 100 mM Na⁺ or K⁺. For example:

<i>Final concentration</i>	<i>200 μM Duplexed oligo (From Step 2)</i>	<i>Buffer (Containing 100 mM Na⁺ or K⁺)</i>
50 μ M	25 μ L	75 μ L
10 μ M	5 μ L	95 μ L

<i>Final concentration</i>	<i>500 μM Duplexed oligo (From Step 2)</i>	<i>Buffer (Containing 100 mM Na⁺ or K⁺)</i>
50 μ M	10 μ L	90 μ L
10 μ M	2 μ L	98 μ L

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