

## siPOOL™

### Product information sheet

Purity:	HPLC purified
Format:	Annealed
Appearance:	Solution
Storage Temperature:	-20°C or below

#### Quality Control

Integrity and purity of each individual siPOOL was verified by HPLC.

#### Handling Instructions:

siPOOLS are susceptible to degradation by exogenous ribonucleases. The use of gloves, RNase-free reagents and plastic as well as barrier pipette tips is strongly recommended.

**siPOOLS are shipped in 10 mM Tris solution at 50 µM concentration and require no resuspension.** Nuclease-free water is provided for further dilution if required.

siRNA (nmol)	Volume of siPOOL provided at final concentration of 50 µM (µl)
1	20
5	100
10	200
20	400

Briefly centrifuge tubes to ensure all material is at the bottom of the tube before opening.

Store siPOOLS at or below -20°C. Splitting up larger volumes into multiple aliquots is strongly recommended to minimize risk of contamination. Under these conditions, siPOOLS are stable for at least 12 months.

#### Other Information

For cell culture experiments we strongly recommend performing a dose response curve to assess the optimal siPOOL concentration for each cell line and transfection method. As a starting point we suggest using final total siRNA concentrations between 1 nM and 10 nM.

Effect on protein level and phenotypic response will follow mRNA knock-down with gene-specific kinetics.

For easy to transfect cell lines (Hela, A549, MCF7 etc.) and readouts measured 2-3 days after transfection, we recommend a siPOOL concentration of 3 nM. Longer assays and difficult cell lines may require higher concentration.

A transfection protocol can be found on our website [www.sitoolsbiotech.com](http://www.sitoolsbiotech.com) under Resources

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