

Product information sheet

Purity:	PAGE purified
Format:	Annealed
Appearance:	Powder
Storage Temperature:	-20°C or below
Additional Reagents supplied:	Nuclease-free Water

Quality Control

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

Handling Instructions:

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

siPOOLS are shipped as lyophilized powder. Briefly centrifuge tubes before resuspension to ensure all material is at the bottom of the tube. Resuspend siPOOLS at your desired concentration in nuclease-free water (provided):

siRNA (nmol)	nuclease free water (µl) for desired final concentration		
	100µM	50µM	10µM
1	10	20	100
5	50	100	500
10	100	200	1000
20	200	400	2000

Store reconstituted siPOOLS at or below -20°C. Splitting up larger volumes into multiple aliquots is strongly recommended to avoid multiple freeze thaw cycles. Under these conditions, siPOOLS are stable for at least 6 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 to use final concentrations between 0.2nM and 10nM. (For harder to transfect cells, the concentration might be increased depending on the cell type and transfection method).

We strongly recommend using the lowest concentration that achieved knock-down saturation.

For transfections in easy to transfect standard cell lines we recommend concentrations < 3 nM.

A transfection protocol can be found on our website www.sitoolsbiotech.com under Resources

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