

Technote

siPOOLS

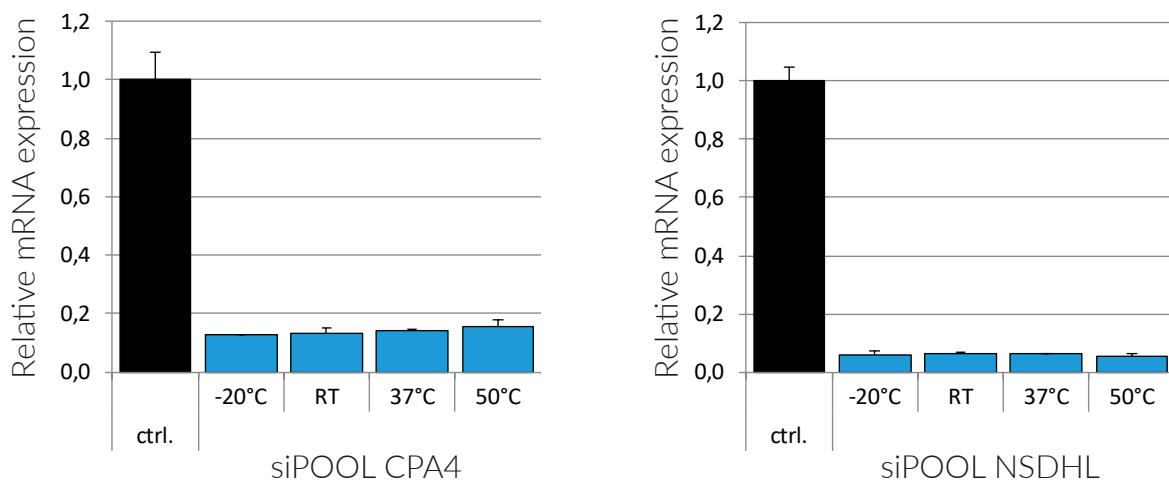
siPOOLS will now be shipped in suspension to provide the following benefits:

- minimize handling and exposure to RNases
- avoid material loss during resuspension
- enhance convenience and speed

siPOOL stability at elevated temperatures

Contrary to widespread belief, RNA and in particular double-strand RNA is a stable molecule if suspended in nuclease-free buffer.

Here, we demonstrate the stability of siPOOL solutions at different storage temperatures.



Representative data of 2 siPOOLS investigated. 50 μ M siPOOLS stock solutions, 10 mM Tris pH 8.0 was stored at room temperature (RT) for 1 month, 37 °C for 1 week and 50 °C for 24h. siPOOL solution at -20 °C served as reference. siPOOLS were transfected in A549 cells at 1 nM transfection concentration using RNAiMax (Thermo Fisher). Silencing efficiency was quantified 24h post transfection by RT-PCR. Representative data shown for two siPOOLS targeting human CPA4 and NSDHL. All storage conditions showed nearly identical knock-down efficiency.

→ siPOOL stock solutions are stable at room temperature for many weeks.

→ No harm by heating to 50 °C for one day.

→ siPOOLS can be shipped in solution at RT without any risk of damage.

Contact Us

siTOOLS Biotech GmbH
 info@sitools.de
 +49 89 12501 4800