

NAME	REFERENCE	FINAL AMOUNT	CHEMISTRY
siRNA Negative control	SR-CL000-005	5 nmoles of duplex / tube	RNA
<b>1 siRNA negative control duplex is made of two complementary strands</b>			
<b>Antisense strand</b>	dTdT 3' overhang		
<b>Sense strand</b>	dTdT 3' overhang		
<b>MODIFICATIONS 5' OR 3'</b>			
None			
<b>PURIFICATION</b>		<b>QC STATUS</b>	
PAGE		Passed	

### DELIVERY CONDITION

Shipped lyophilized  
Additional reagent supplied : 1 ml RNase-free Water

### RECONSTITUTION

To make up to 100  $\mu$ M concentration, add 50.0  $\mu$ l of recommended buffer.  
To make up to 20  $\mu$ M concentration, add 250.0  $\mu$ l of recommended buffer.  
To make up to 5  $\mu$ M concentration, add 1.00 ml of recommended buffer.

### STORAGE CONDITION

Store siRNAs (and RNA oligos in general) as a dry pellet at  $-20^{\circ}\text{C}$  (or preferably  $-70^{\circ}\text{C}$ ) in a non-frost free freezer until ready to use. Once resuspended in RNase-free buffer, store at  $-70^{\circ}\text{C}$  and avoid contact with RNases. siRNA should be resuspended to a convenient stock concentration (e.g. 50  $\mu$ M), and stored in small aliquots to avoid multiple freeze thaw cycles. When stored under these conditions and using good RNase-free technique, they typically remain stable for 6 months or more. The solution can be freeze-thawed up to 5 times. For long-term storage, siRNA oligos should be kept dried.

### DESCRIPTION

The Negative Control siRNAs can be used to demonstrate that the transfection does not induce nonspecific effects on gene expression.

The Negative Control siRNAs developed by Eurogentec are comprised of two strands of 19 complementary RNA bases with 3' dTdT overhangs. These proprietary sequences have no significant homology to any known mouse, rat, or human gene sequences. The Negative Control siRNAs caused no gross changes in gene expression in the transfected cells, indicating a lack of nonspecific effects on gene expression.

Several different labeled Negative Control siRNAs are also available from Eurogentec. For more information, don't hesitate to contact us.

#### Reference:

S. M. Elbashir, J. Harborth, W. Lendeckel, A. Yalcin, K. Weber & T. Tuschl, NATURE (2001) 411:494-498.

#### Disclaimers and trademarks:

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### TECHNICAL SUPPORT

If you have any questions feel free to call our Oligo Centre

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