Custom Pos Control siRNA

(Cat# M1258-1; 1 OD; PAGE Purified; Store at -20°C)

I. Introduction:

BioVision offers low price and high-quality positive and **negative siRNA controls** for RNAi experiments. The siRNA positive control helps to ensure that the transfection, RNA extraction and detection methods are reliable. Positive control is very important for the inspection of an experimental system. In other words, when you see the expected results of siRNA positive control, you can ensure that your transfection, RNA extraction and detection methods are reliable. The available positive controls include LaminA/C, GFP274, Luciferase GL2, MAPK1, Beta-Actin, Vimentin, P53, GAPDH and Cyclophilin B.

II. Key Features:

- Offers a complete set of experimental controls, which can be used to optimize the RNAi experimental conditions
- The effect of gene silencing can be identified by follow-up experiments including quantitative PCR, western blot etc.
- Transfection efficiency can be monitored easily by a fluorescence labeled negative control

III. Specifications of Control siRNA Oligos:

- **Quality Control:** All our siRNA oligos undergo vigorous process monitoring and strict quality control. Length and labeling are systematically controlled by PAGE or Mass Spectrometry Analysis. Quantity is systematically validated by UV abs at 260 nm
- **Purification:** Fully deprotected and desalted
- **Purified by PAGE**
- **Length:** 19 to 23 mers
- **Bases:** RNA (A, C, G or U)
- **Backbone:** Phosphodiester bond
- **Labels and modifications:** Fluorescein, biotin and phosphate: 3' or 5' end
- **Format:** Single-strand RNA oligos is delivered in dry form
- **Oligonucleotide Technical Data Sheet:** Oligonucleotides are delivered with an Oligonucleotide Technical Data Sheet, which includes oligonucleotide name, sequence, concentration, size, purification method

IV. Applications: siRNA Transfection

V. Storage and stability: Although oligonucleotides are stable in solution at 4°C for up to 2 weeks, we recommend storage at -20°C. Repetitive freeze-thaw cycles should be avoided by storing as aliquots. For long-term storage, siRNA oligos should be dried

VI. Shipment: Shipped by express delivery, dry in individual, transparent tubes ambient temperatures. Oligonucleotides with fluorescent labels should be protected from light. We guarantee our oligonucleotides for six months, when stored under the above conditions

VII. Package Contents (Custom Pos Control siRNA):

Components	Quantity	Part No.
Custom Pos Control siRNA	1 OD	M1258-1-1
Universal Buffer	Varies	M1258-XX-2

VIII. Related Products:

Product Name	Cat. No.	Quantity
Custom siRNA	M1253-2 to M1253-10	2 OD to 10 OD
Chemically Modified siRNA	M1254-2 to M1254-10	2 OD to 10 OD
Fluorescent labeled siRNA	M1255-2 to M1255-10	2 OD to 10 OD
Custom Neg Control siRNA	M1256-1	1 OD
Labeled Neg Control siRNA	M1257-1	1 OD
Custom Pos Control siRNA	M1258-1	1 OD
ss miRNA mimics	M1259-2 to M1259-10	2 OD to 10 OD
ss miRNA mimics Neg Control	M1260-1	1 OD
Labeled ss miRNA mimics Neg Control	M1261-1	1 OD
ds miRNA mimics	M1262-2 to M1262-10	2 OD to 10 OD
ds miRNA mimics Neg Control	M1263-1	1 OD
Labeled ds miRNA mimics Neg Control	M1264-1	1 OD
miRNA Inhibitor	M1265-2 to M1265-10	2 OD to 10 OD
miRNA Inhibitor Neg Control	M1266-1	1 OD
Labeled miRNA Inhibitor Neg Control	M1267-1	1 OD
Pre-designed siRNA Oligo Set A	M1268	Set
Pre-designed siRNA Oligo Set B	M1269	Set
Chemically Modified siRNA Set C	M1270	Set
Chemically Modified siRNA Set D	M1271	Set
Labeled siRNA Set E	M1272	Set
Labeled siRNA Set F	M1273	Set

FOR RESEARCH USE ONLY! Not to be used on humans.