

FAM-Labeled siRNA Control 0.12 mL

Product Insert

Cat. No. DX0100

About FAM-Labeled siRNA Control

Our FAM-Labeled siRNA Control enables visualization of transfection efficiency 1–4 hours post transfection. This validated siRNA delivery proficiency control is a 21-mer, double-stranded, deoxyoligonucleotide. The quantity provided is sufficient for one 96-well plate.

Safety Warnings and Precautions

All chemicals should be considered potentially hazardous. We recommend that this product and its components be handled by those trained in laboratory techniques and be used according to the principles of good laboratory practice.

For research use only. Not for use in diagnosis of disease in human or animals.

Contents and Storage

Component	Volume	Storage
FAM-Labeled siRNA Control, 5 μ M	0.12 mL	-20 °C/Dark

Specifications

Attribute	Specification
Purity	HPLC purified, >95%
Format	Annealed
Spectral information	Excitation 488 nm, emission 518 nm

Intended Use

Panomics' FAM-Labeled siRNA Control is intended for use with our DeliverX or DeliverX Plus siRNA Transfection Kits. This labeled siRNA control is prepared like any other siRNA when following the transfection complex formation and transfection procedures detailed in our *DeliverX and DeliverX Plus siRNA Transfection Kits User Manual*.

Procedure for Use

To visualize cells transfected with FAM-labeled control:

Step	Action
1	Following the 1–4 hours incubation with the complex in serum-free media, carefully remove the complex from the well. IMPORTANT Do not incubate the cells overnight. <i>Hint.</i> Tilt the plate at a 45 degree angle and remove and add reagents with a multi-channel pipet that is touching the walls of the wells. Avoid using vacuum aspiration.
2	Carefully wash the cells twice with 100 μ L/well of 1X PBS.
3	Add 100 μ L/well of 1X PBS, examine and image the cells using a fluorescent microscope with FAM Filter (excitation 488 nm and emission 518 nm).

Troubleshooting

Problem	Suggested Action
Spots of fluorescence	Transfection complexes may stick to the well and/or membrane surfaces. Additional washing of the cells will help to remove these complexes but, it is normal for some complexes to remain. They should not interfere with fluorescence analysis.
Weak fluorescent signal	Do not exceed the 4 hour incubation time post transfection (before washing and visualizing cells).

**Contacting
Panomics**

For technical questions, contact our support group by telephone at (866) 317-2626 or by email at techsupport@panomics.com, or visit our website at www.panomics.com.

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