

Ordering Information

Product Name	Catalogue Number
Neuro9 siRNA Spark Kit - 5 nmol	NWS0001

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Neuro9™ siRNA Spark™ Kit 5 nmol

The Neuro9 siRNA Spark Kit, designed for the NanoAssemblr™ Spark instrument, provides the user with all the components needed to easily and quickly manufacture siRNA nanoparticles in a biological safety cabinet. These nanoparticles will successfully deliver siRNA to primary neurons. This transfection kit, when used with the Spark, is optimized to have high encapsulation efficiencies (>90%) of siRNA and >99% nanoparticle-uptake into neurons in culture, with no toxicity.

In cell-based assays, a 5 nmol encapsulation allows for the treatment of 100 wells of a 24-well plate with 0.5 µg of siRNA per well, assuming each well has 0.5 mL of media (treatment dose: 1 µg/mL).

Kit Contents

Contents of Transfection Kit	Description	Storage Instructions
Spark Cartridge	The sterile pack contains a base referred to as the Cartridge and a cover termed the Cartridge Cap.	Sterile, Room Temperature
Nucleic Acid Storage Buffer	200 µL	Sterile, Store at 4 °C
Neuro9 siRNA Spark Nanoparticle Mix	100 µL	Sterile, Store at -80 °C
Neuro9 siRNA Spark Formulation Buffer 1	200 µL	Sterile, Store at 4 °C
Neuro9 siRNA Spark Formulation Buffer 2	1200 µL	Sterile, Store at 4 °C
ApoE	100 µg	Sterile, Store at -80 °C
The NanoAssemblr Spark is required to formulate nanoparticles using the contents of this kit.		