FORTIS LIFE SCIENCES

Certificate of Analysis

Product Name	Cas9, 10mg/mL
Item Number	
Concentration	10mg/mL
Lot Number	
Manufacture Date	
Storage Temperature	-20°C

Quality Control Assays

The following Quality Control Tests are performed on each lot and meet the specifications designated for the product.

Product Specification	Passing Result	Result
Protein Purity: Product evaluated via SDS-PAGE.	≥90%	
Functional Performance: 1 picomole of product successfully digests target when complexed with sgRNA; target is not digested in the absence of sgRNA.	Conforms	
Double-Stranded DNase: 1 picomole of product is incubated with dsDNA for 16 hours at 37°C. Evaluated via Agarose Gel Electrophoresis.	Not Detectable	
Single-Stranded DNAse: 1 picomole of product is incubated with fluorescent ssDNA oligos for 4 hours at 37°C.	Not Detectable	
Endonuclease: 1 picomole of product is incubated with supercoiled plasmid DNA for 4 hours at 37°C.	≤ 15% Conversion	
RNase: 1 picomole of product is incubated with fluorescent RNA oligos for 4 hours at 37°C.	≤ 10% degradation	

Certified By

Title (print): _____

Name (print): _____

Signature: _____

Date: _____