

## Certificate of Analysis

### Description

<b>Product Name</b>	NextSeq® 550Dx Reagent Kit v2 (300 cycles)		
<b>Catalog Number</b>	20019554	<b>Kit Lot Number</b>	A125921

### Kit lot Contents

Material	Box Part Number	Box Lot number	Cartridge/ Tube Part Number	Cartridge/ Tube Lot Number
NextSeq 550Dx Reagent Cartridge v2 (300 cycles)	20019555	A125921-1	20005418	20348948
NextSeq 550Dx Buffer Cartridge v2 (300 cycles)	20019556	A125921-2	20005420	20348947
NextSeq 550Dx High Output Flowcell Cartridge v2 (300 cycles)	20019557	A125921-3	20006364	20351329
NextSeq 550Dx Accessory Box (300 cycles)	20019558	A125921-4	20018864	20340160

### Test Conditions

Kitted reagents were tested on a NextSeq 550Dx sequencing system in a 2x151 cycle paired end run configuration with PhiX at a concentration which produced a cluster density of 160-230 K/mm<sup>2</sup>. Flow Cells included in the kit lot were manufactured and released in accordance with production specifications.

### Test Results

Metric	Specification	UOM	Result
Sequencing output	≥ 90	Gigabases	Pass
Cumulative Q-score <sup>1</sup> ≥ 30	≥ 75	%	Pass

<sup>1</sup>Q-Scores measure the probability that a base is called incorrectly. A higher quality score indicates a smaller probability of error. A quality score of 30 represents an error rate of 1 in 1000, with a corresponding call accuracy of 99.9%.

### Certification

This document certifies that the product(s) described above meet quality specifications.

#### Quality Review

<b>Print Name</b>	Shirlene Ong	<b>Signature</b>		<b>Date</b>	11-APR-2014
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