

## Certificate of Analysis

### Description

Product Name	NextSeq™ 550Dx High Output Reagent Kit v2.5 (300 cycles)	Catalog Number	20028871
Part Number	20028871	Lot Number	A158887

### Kit lot Contents

Material	Box Part Number	Box Lot number	Cartridge/ Tube Part Number	Cartridge/ Tube Lot Number
NextSeq 550Dx High Output Reagent Cartridge v2 (300 cycles)	20019555	A158887-1	20005418	20447405
NextSeq 550Dx Buffer Cartridge v2 (300 cycles)	20019556	A158887-2	20005420	20447406
NextSeq 550Dx High Output Flowcell Cartridge v2.5 (300 cycles)	20026365	A158887-3	20026363	20447838
NextSeq 550Dx Accessory Box (300 cycles)	20019558	A158887-4	20018864	20440633

### 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

Print Name	Tang Wei Qiang	Signature		Date	15-MAY-2020
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