

## Certificate of Analysis

### Description

Product Name	NextSeq™ 550Dx High Output Reagent Kit v2.5 (75 cycles)		
Catalog Number	20028870	Part Number	20028870
Lot Number	A161962	Kit Expiration Date	23-MAY-2022

### Kit lot Contents

#### Box 1 of 4

Material	Part Number	Lot number
NextSeq 550Dx High Output Reagent Cartridge v2 (75 cycles)- Box	20019560	A161962-1
NextSeq 550Dx High Output Reagent Cartridge v2 (75 cycles)- Component	20005419	20495665

#### Box 2 of 4

Material	Part Number	Lot number
NextSeq 550Dx Buffer Cartridge v2 (75 cycles)- Box	20019561	A161962-2
NextSeq 550Dx Buffer Cartridge v2 (75 cycles)- Component	20005420	20495666

#### Box 3 of 4

Material	Part Number	Lot number
NextSeq 550Dx High Output Flow Cell Cartridge v2.5 (75cycles)- Box	20031098	A161962-3

NOTE: Flow cells are individually serialized and do not appear in this list above.

#### Box 4 of 4

Material	Part Number	Lot number
NextSeq 550Dx Accessory Box (75 cycles)- Box	20019563	A161962-4
NextSeq 550Dx Accessory Box (75 cycles)- Component	20018864	20494712

### Test Conditions

Kitted reagents were tested on a NextSeq 550Dx sequencing system in a 2x38 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	≥ 22.5	Gigabases	Pass
Cumulative Q-score <sup>1</sup> ≥ 30	≥ 80	%	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	17-DEC-2020
------------	----------------	-----------	--	------	-------------