

## Certificate of Analysis

## Description

Product Name	NextSeq™ 550Dx High Output Reagent Kit v2.5 (300 cycles)		
Catalog Number	20028871	Part Number	20028871
Lot Number	A163599	Kit Expiration Date	03-MAR-2023

## Kit lot Contents

## Box 1 of 4

Material	Part Number	Lot number
NextSeq 550Dx High Output Reagent Cartridge v2 (300 cycles)- Box	20019555	A163599-1
NextSeq 550Dx High Output Reagent Cartridge v2 (300 cycles)- Component	20005418	20573159

## Box 2 of 4

Material	Part Number	Lot number
NextSeq 550Dx Buffer Cartridge v2 (300 cycles)- Box	20019556	A163599-2
NextSeq 550Dx Buffer Cartridge v2 (300 cycles)- Component	20005420	20573154

## Box 3 of 4

Material	Part Number	Lot number
NextSeq 550Dx High Output Flow Cell Cartridge v2.5 (300 cycles)- Box	20026365	A163599-3

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 (300 cycles)- Box	20019558	A163599-4
NextSeq 550Dx Accessory Box (300 cycles)- Component	20018864	20577414

### 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	24-SEP-2021
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