

# Certificate of Analysis

### Description

Product Name NextSeq<sup>®</sup> 550Dx Reagent Kit v2 (300 cycles)

Catalog Number 20019554 Kit Lot Number A125898

### 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	A125898-1	20005418	20248443
NextSeq 550Dx Buffer Cartridge v2 (300 cycles)	20019556	A125898-2	20005420	20247909
NextSeq 550Dx High Output Flowcell Cartridge v2 (300 cycles)	20019557	A125898-3	20006364	20248832
NextSeq 550Dx Accessory Box (300 cycles)	20019558	A125898-4	20018864	20250292

### 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 Ong Xueling Shirlene

Signature

Date

27 - APR - 2018