

## Certificate of Analysis

### Description

|                |  |                     |             |
|----------------|--|---------------------|-------------|
| Product Name   | NextSeq™ 550Dx High Output Reagent Kit v2.5 (300 cycles) |                     |             |
| Catalog Number | 20028871   | Part Number         | 20028871    |
| Lot Number     | A159316  | Kit Expiration Date | 04-FEB-2022 |

### Kit lot Contents

#### Box 1 of 4

| Material   | Part Number | Lot number |
|--|-------------|------------|
| NextSeq 550Dx High Output Reagent Cartridge v2 (300 cycles)- Box       | 20019555    | A159316-1  |
| NextSeq 550Dx High Output Reagent Cartridge v2 (300 cycles)- Component | 20005418    | 20462948   |

#### Box 2 of 4

| Material  | Part Number | Lot number |
|---|-------------|------------|
| NextSeq 550Dx Buffer Cartridge v2 (300 cycles)- Box       | 20019556    | A159316-2  |
| NextSeq 550Dx Buffer Cartridge v2 (300 cycles)- Component | 20005420    | 20462947   |

#### Box 3 of 4

| Material   | Part Number | Lot number |
|--|-------------|------------|
| NextSeq 550Dx High Output Flow Cell Cartridge v2.5 (300 cycles)- Box | 20026365    | A159316-3  |

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    | A159316-4  |
| NextSeq 550Dx Accessory Box (300 cycles)- Component | 20018864    | 20463285   |

### 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 | 11-AUG-2020 |
|------------|----------------|-----------|---|------|-------------|