

Certificate of Analysis

Description

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|--------------|---|----------------|----------|
| Product Name | NextSeq™ 550Dx High Output Reagent Kit v2.5 (75 cycles) | Catalog Number | 20028870 |
| Part Number | 20028870 | Lot Number | A148069 |

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 (75 cycles) | 20019560 | A148069-1 | 20005419 | 20391381 |
| NextSeq 550Dx Buffer Cartridge v2 (75 cycles) | 20019561 | A148069-2 | 20005420 | 20391097 |
| NextSeq 550Dx High Output Flowcell Cartridge v2.5 (75cycles) | 20031098 | A148069-3 | 20026363 | 20390786 |
| NextSeq 550Dx Accessory Box (75 cycles) | 20019563 | A148069-4 | 20018864 | 20392265 |

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/mm². 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 ¹ ≥ 30 | ≥ 80 | % | Pass |

¹ 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

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|------------|----------------|-----------|---|------|-------------|
| Print Name | Tang Wei Qiang | Signature |  | Date | 16-SEP-2019 |
|------------|----------------|-----------|---|------|-------------|