

Certificate of Analysis

Description

| | | | |
|-----------------------|--|----------------------------|-------------|
| Product Name | NextSeq™ 550Dx High Output Reagent Kit v2.5 (300 cycles) | | |
| Catalog Number | 20028871 | Part Number | 20028871 |
| Lot Number | A163720 | Kit Expiration Date | 17-JAN-2023 |

Kit lot Contents

Box 1 of 4

| Material | Part Number | Lot number |
|--|-------------|------------|
| NextSeq 550Dx High Output Reagent Cartridge v2 (300 cycles)- Box | 20019555 | A163720-1 |
| NextSeq 550Dx High Output Reagent Cartridge v2 (300 cycles)- Component | 20005418 | 20573863 |

Box 2 of 4

| Material | Part Number | Lot number |
|---|-------------|------------|
| NextSeq 550Dx Buffer Cartridge v2 (300 cycles)- Box | 20019556 | A163720-2 |
| NextSeq 550Dx Buffer Cartridge v2 (300 cycles)- Component | 20005420 | 20563093 |

Box 3 of 4

| Material | Part Number | Lot number |
|--|-------------|------------|
| NextSeq 550Dx High Output Flow Cell Cartridge v2.5 (300 cycles)- Box | 20026365 | A163720-3 |

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 | A163720-4 |
| NextSeq 550Dx Accessory Box (300 cycles)- Component | 20018864 | 20560956 |

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/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 | ≥90 | Gigabases | Pass |
| Cumulative Q-score ¹ ≥30 | ≥75 | % | Pass |

¹Q-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 Wei Jian | Signature |  | Date | 17-SEP-2021 |
|------------|--------------|-----------|--|------|-------------|