illumina

Certificate of Analysis

Description

Product Name	NextSeq™ 550Dx High Output Reagent Kit v2.5 (300 cycles)		
Catalog Number	20028871	**Part Number**	20028871
Lot Number	A163853	**Kit Expiration Date**	09-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	A163853-1
NextSeq 550Dx High Output Reagent Cartridge v2 (300 cycles)- Component	20005418	20559817

Box 2 of 4

Material	Part Number	Lot number
NextSeq 550Dx Buffer Cartridge v2 (300 cycles)- Box	20019556	A163853-2
NextSeq 550Dx Buffer Cartridge v2 (300 cycles)- Component	20005420	20559816

Box 3 of 4

Material	Part Number	Lot number
NextSeq 550Dx High Output Flow Cell Cartridge v2.5 (300 cycles)- Box	20026365	A163853-3

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	A163853-4
NextSeq 550Dx Accessory Box (300 cycles)- Component	20018864	20569019

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^2. 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

[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

Print Name	Tang Wei Qiang	Signature		Date	07-SEP-2021