

Certificate of Analysis

Description

Product Name	NextSeq™ 550Dx High Output Reagent Kit v2.5 (75 cycles)	Catalog Number	20028870
Part Number	20028870	Lot Number	A148070

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	A148070-1	20005419	20396369
NextSeq 550Dx Buffer Cartridge v2 (75 cycles)	20019561	A148070-2	20005420	20396367
NextSeq 550Dx High Output Flowcell Cartridge v2.5 (75cycles)	20031098	A148070-3	20026363	20390786
NextSeq 550Dx Accessory Box (75 cycles)	20019563	A148070-4	20018864	20396783

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

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	Tang Wei Qiang	Signature		Date	26-SEP-2019
------------	----------------	-----------	---	------	-------------