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Certificate of Analysis

Description

Product Name	MiseqDx Reagent Kit V3	**Catalog Number**	20037124
Kit Lot Number	A159348	**Expiration Date**	17-MAR-2021

Test Conditions

Kitted reagents were tested on a MiSeqDx using v3 Chemistry in a 26+301 cycle paired end run configuration with PhiX at a concentration which produced a cluster density of 1200-1550 K/mm^2.

Test Results

Metric	Specification		UOM	Result	
	Read 1	Read 2		Read 1	Read 2
Q-score ≥ 30[1]	≥ 94.00	≥ 70.00	%	Pass	Pass
Reads PF[2]	≥ 22.00		Million	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%.

[2] Reads PF or Reads Passing Filter, is the number of reads (also called clusters) detected by the sequencing instrument that pass the quality requirements of the Illumina chastity filter, The chastity of a base call is the ratio of the intensity of the greatest signal divided by the sum of the two greatest signals. Reads do not pass the quality filter if there are two or more base calls with chastity of less than 0.6 in the first 25 cycles.

Certification

This document certifies that the product(s) described above meet quality specifications.

Quality Review

Print Name	Ong, Hong Lee	Signature		Date	06-APR-2020

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Master Lot Sheet

Description			
Product Name	MiSeqDx Reagent Kit v3		
Part Number	20037124	**Catalog Number**	20037124
Lot Number	A159348	**Kit Expiration Date**	17-MAR-2021

Master Kit Contents

Box 1 of 2

Item Description	Part Number	Lot Number
MiSeqDx™ Reagent Kit v3 1/2	20036261	A159348-1
DX#-HT1, Library Dilution Buffer	20004095	20443706
MiSeqDx™ SBS Cartridge v3	20002301	20441093

Box 2 of 2

Item Description	Part Number	Lot Number
MiSeqDx™ Reagent Kit v3 2/2	20036262	A159348-2
MiSeqDx™ SBS Solution (PR2)	20002209	20438458

NOTE: Flow cells are individually serialized and do not appear in this list above.