

Certificate of Analysis

Description

Product Name	TruSeq Custom Amplicon Library Preparation Dx Kit	Catalog No.	20005718
Part Number	20003227 (Box 1) 20003460 (Box 2) 20003463 (Box 3)	Lot No.	A164354

Test Conditions

Kitted reagents were tested by performing a TruSeq Custom Amplicon Library Preparation Assay run using a set of three DNA samples ordered from ATCC (<https://www.atcc.org>). Multiple replicates (at least 3) of each of the three unique samples and "No Template Controls" (NTCs) were sequenced using a 2 x 150 cycle paired end run configuration. The sample set provides representation of different types of sequence variations which could be present in clinical samples (single nucleotide variations, small insertions/deletions, compound insertion/deletions, insertion/deletions in homopolymeric regions, large deletions).

Note: Flow cells are serialized and release tested separately via a hybridization assay.

ATCC DNA Sample ID	ATCC Cell line	Gene /Exon
CCL-225D™	HCT-15	KRAS Exon 2
CCL-155D™	RPMI 8226	KRAS Exon 2
TIB-202D™	THP-1	NRAS Exon 2

* All mutations are heterozygous unless indicated otherwise.

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Test Results

Run Metric	Specification	Result
Autosomal Call Rate ¹	≥ 98.0%	Pass
Amplicon Mean Coverage ²	≥ 40000	Pass
NTC Autosomal Call Rate ¹	=0	Pass

¹ Autosomal Call Rate for a given sample, defined as total number of positions with genotype calls divided by the total number of positions sequenced (excluding sex chromosomes) using a defined sample panel.

² Amplicon mean coverage for a given sample, is the total number of aligned reads to the targeted region divided by the number of targeted region using a defined sample panel.

Certification

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

Quality Review

Print Name	BELINDA DO	Signature	<i>Belle Do</i>	<small>Electronically signed by: Belle Do Reason: Reviewer Date: Sep 14, 2021 11:50 PDT</small>	Date	14-SEP-2021
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