

## Certificate of Analysis

### Description

<b>Product Name</b>	TruSeq Custom Amplicon Library Preparation Dx Kit	<b>Catalog No.</b>	20005718
<b>Part Number</b>	20003227 (Box 1) 20003460 (Box 2) 20003463 (Box 3)	<b>Lot No.</b>	A163586

### 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 <sup>1</sup>	≥ 98.0%	Pass
Amplicon Mean Coverage <sup>2</sup>	≥ 40000	Pass
NTC Autosomal Call Rate <sup>1</sup>	=0	Pass

<sup>1</sup> 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.

<sup>2</sup> 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: Aug 16, 2021 23:33 PDT</small>	Date	18-AUG-2021
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