

Certificate of Analysis

Description

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|--------------|--|-------------|----------|
| 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. | A135913 |

Test Conditions

Kitted reagents were tested by performing a TruSeq Custom Amplicon Library Preparation Assay run using a set of three DNA sample 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

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|------------|------------|-----------|---|------|-------------|
| Print Name | Kathy Phan | Signature |  | Date | 16-MAR-2020 |
|------------|------------|-----------|---|------|-------------|