

## Certificate of Analysis

Description CoA, ForenSeq mtDNA Control Region Kit (48 reactions) - V16000085

Product Name	ForenSeq™ mtDNA Control Region Kit (48 reactions)	Kit Catalog Number	V16000085
Box Part Numbers	ForenSeq™ mtDNA Control Region Kit - Box 1 of 4: 15055287 ForenSeq™ mtDNA Control Region Kit - Box 2 of 4: 15055280 ForenSeq™ mtDNA Control Region Kit - Box 3 of 4: 15055281 ForenSeq™ mtDNA Control Region Kit - Box 4 of 4: 15055282	Lot Number	V100015a
		Kit Expiry Date	27JUN2021

### 1. Library Preparation QC

#### Test Conditions

The ForenSeq mtDNA Control Region Kit was tested using 20 picogram of HL-60 DNA as a positive control and nuclease free water as a negative control in triplicate reactions. The Polymerase Chain Reaction process was utilized to amplify DNA products. Samples then were sequenced using a 151x8x8x151 PE run on a MiSeq FGx instrument with a MiSeq FGx™ Reagent kit and analyzed with the ForenSeq Universal Analysis Software 2.0. Positive and negative control results are reported per sample. All replicates must pass. Results are listed below.

#### Test Results

Metric	Specification	Result
Negative amplification control	≤ 200 positions called with ≤ 200 total read count per position	Pass
Haplotype for HL-60 gDNA, 20pg	All variants detected	Pass

#### Certification

Original CofA approval Date (if applicable): 22JUN2020

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

#### Quality Review

Print Name	Yessica Young	Signature	<i>Yessica Young</i>	Date	03SEP2021
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