

Certificate of Analysis

Description CoA, ForenSeq mtDNA Whole Genome Kit (48 reactions) - V16000086

Product Name	ForenSeq™ mtDNA Whole Genome Kit (48 reactions)	Kit Catalog Number	V16000086
Box Part Numbers	ForenSeq™ mtDNA Whole Genome Kit - Box 1 of 4: 15055288	Lot Number	V100023a
	ForenSeq™ mtDNA Whole Genome Kit - Box 2 of 4: 15055283	Kit Expiry Date	15APR2022
	ForenSeq™ mtDNA Whole Genome Kit - Box 3 of 4: 15055284		
	ForenSeq™ mtDNA Whole Genome Kit - Box 4 of 4: 15055285		

1. Library Preparation QC

Test Conditions

The ForenSeq mtDNA Whole Genome Kit was tested using 20 picogram of HL-60 DNA as a positive control and nuclease free water as a negative control. 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): 22SEP2020

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

Quality Review

Print Name	Yessica Young	Signature	<i>Yessica Young</i>	Date	13SEP2021
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