

## Certificate of Analysis

### Description

Product Name	Praxis® Extended RAS Panel		
Part Number	20012431	Lot Number	A119218

### Test Conditions and Parameters

The Praxis Extended RAS Panel kit was functionally tested based on the Praxis Extended RAS Panel Assay Reference Guide (Document Number 100000037191). The Praxis Extended RAS Panel kit passed functional quality control testing per Illumina internal requirements in addition to the results below.

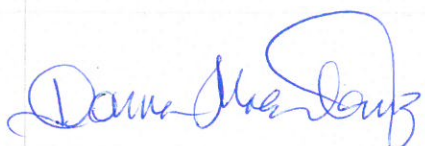
Note: Flow cells are serialized and passed release testing separately via a hybridization assay.

### Test Results

Metric	Specification	Result
delta Cq from No Template Control to Quality Control Template	$\geq 10$	Pass
Positive Control	Expected Mutations detected: KRAS Exon 2 p.Gly12Asp c.35G>A and NRAS Exon 3 p.Gln61Lys c.181C>A	Pass
Negative Control	Invalid by sequencing	Pass

### Certification

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

Print Name:	DONNA MAE CRUZ	Title:	SR. QC ASSOCIATE
Signature:		Date:	25 JUN 2018