

dPCR Mutation Detection Assay

Validation Data Sheet

dPCR Mutation Detection Assay ESR1: c.1613A>G (COSV52781024)

Assay Catalog No.	DMH0001110
dPCR Instrument	QIAcuity digital PCR instrument
dPCR Master Mix	QIAcuity® MasterMix
Experimental Sample(s)	Synthetic DNA template

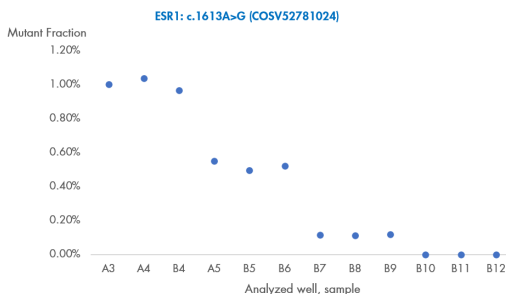


Figure 1. Mutation Frequency Analysis. Detection of mutation target (Green Channel, FAM) and wild-type reference target (Yellow Channel, HEX). Mutant DNA template was spiked into wild-type DNA background samples (~2000 copies/ μ L) for various mutation frequencies (**A3,A4,B4**: 1%; **A5,B5,B6**: 0.5%; **B7–B9**: 0.1%; **B10–B12**: 0%).

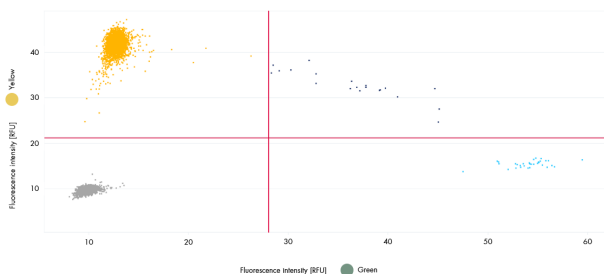


Figure 2. 2D Scatter Plot. Single-well data from sample with 1% mutant DNA template spiked into wild-type DNA background (**Green Channel**: mutation assay, X-axis; **Yellow Channel**: wild-type, Y-axis).