

dPCR Mutation Detection Assay

Validation Data Sheet

dPCR Mutation Detection Assay	ESR1: c.1610A>G (COSV52782924)
Assay Catalog No.	DMH0001108
dPCR Instrument	QIAcuity digital PCR instrument
dPCR Master Mix	QIAcuity® MasterMix
Experimental Sample(s)	Synthetic DNA template

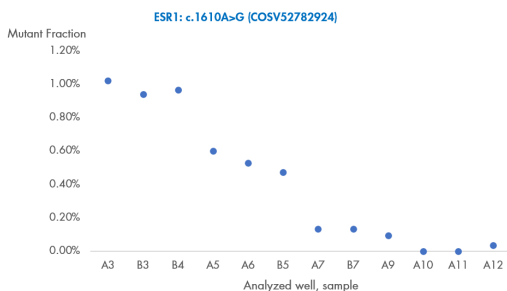


Figure 1. Mutation Frequency Analysis. Detection of mutation target (Green Channel, FAM) and wild-type reference target (Yellow Channel, HEX). Mutant DNA template was spiked into wild-type DNA background samples (~2,000 copies/ μ L) for various mutation frequencies (A3,B3,B4: 1%; A5,A6,B5: 0.5%; A7,B7,A9: 0.1%; A10–A12: 0%).

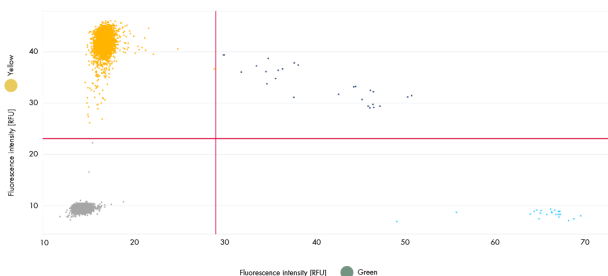


Figure 2. 2D Scatter Plot. Single-well data from sample with 1% mutant DNA template spiked into wild-type DNA background (Green Channel: mutation assay, X-axis; Yellow Channel: wild-type, Y-axis).