

dPCR Mutation Detection Assay

Validation Data Sheet

dPCR Mutation Detection Assay	ESR1: c.1610A>C (COSV52783938)
Assay Catalog No.	DMH0001109
dPCR Instrument	QIAcuity digital PCR instrument
dPCR Master Mix	QIAcuity® MasterMix
Experimental Sample(s)	Synthetic DNA template

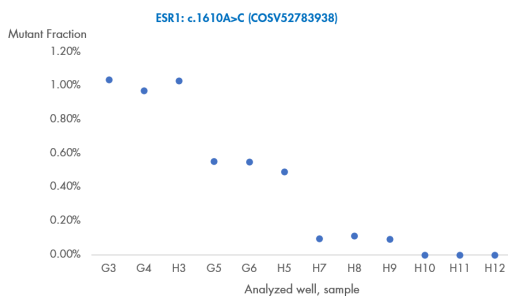


Figure 1. Mutation Frequency Analysis. Detection of mutation target (Green Channel, FAM) and wild-type reference target (Yellow Channel, HEX). Mutant DNA template was spiked into wild-type DNA background samples (~2000 copies/μl) for various mutation frequencies (G3,G4,H3: 1%; G5,G6,H5: 0.5%; H7-H9: 0.1%; H10-H12: 0%).

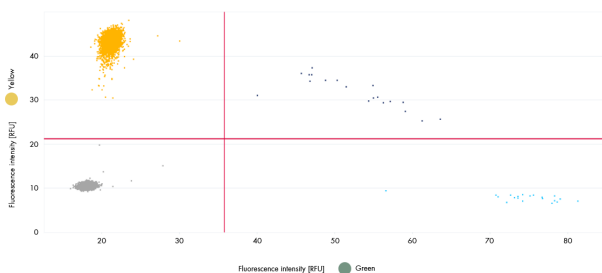


Figure 2. 2D Scatter Plot. Single-well data from sample with 1% mutant DNA template spiked into wild-type DNA background (Green Channel: mutation assay, X-axis; Yellow Channel: wild-type, Y-axis).