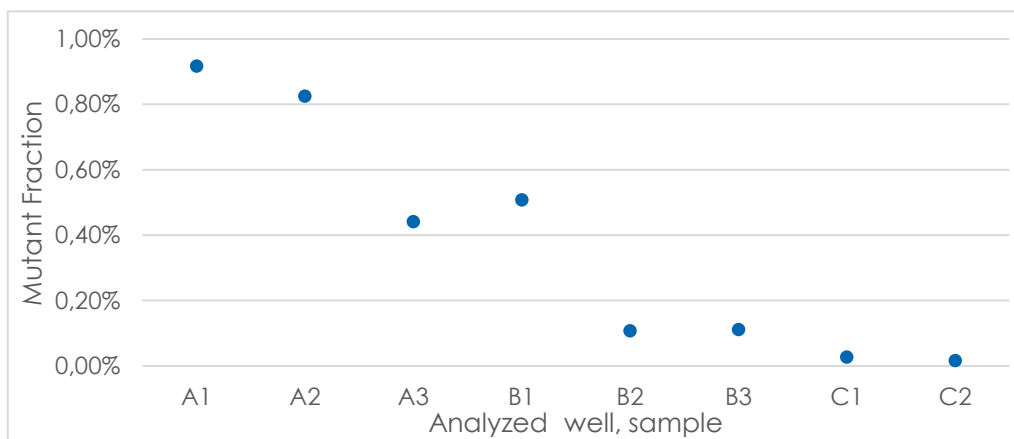


# Validation Data Sheet

dPCR Mutation Detection Assay	TP53 c.481G>A
Assay Catalog No.	DMH0000434
dPCR Instrument	QIAcuity digital PCR instrument
dPCR Master Mix	QIAcuity Probe PCR Master Mix
Experimental Sample(s)	Artificial templates (gBlocks)

**Mutation Frequency Analysis:** Detection of mutation target (FAM channel) and wild-type reference target (HEX channel). Mutant DNA template was spiked into wild-type DNA background samples (~48,000 copies) for various mutation frequencies (A1-A2: 1%, A3-B1: 0.5%, B2-B3: 0.1%, C1-C2: 0%).



**2D Scatter Plot:** Single well data from sample with 0.1% mutant DNA template spiked into wild-type DNA background. (FAM channel: mutation assay, x axis; HEX channel: wild-type, y axis).

