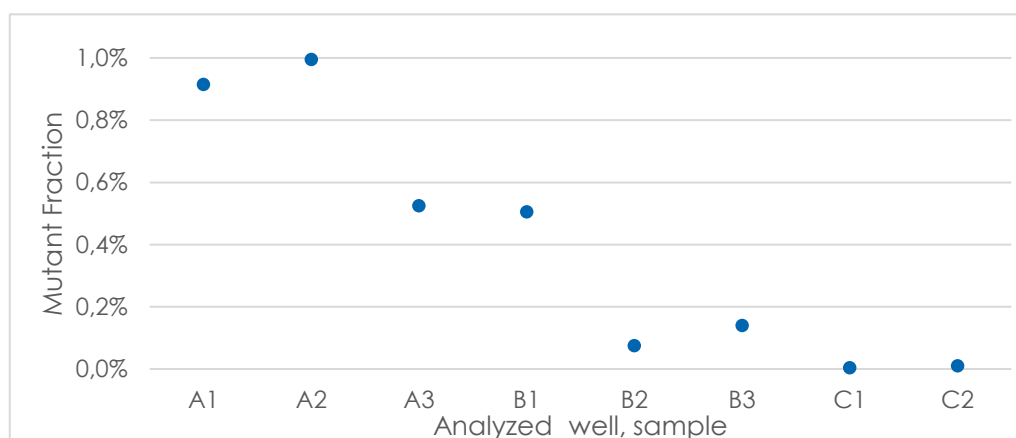


# Validation Data Sheet

| dPCR Mutation Detection Assay | PIK3CA c.3129G>T                |
|-------------------------------|---------------------------------|
| Assay Catalog No.             | DMH0000034                      |
| 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).

