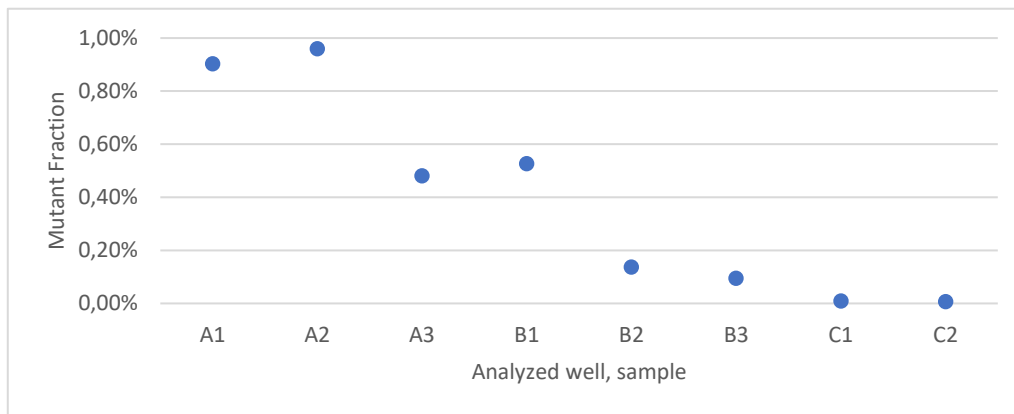


Validation Data Sheet

| dPCR Mutation Detection Assay | NRAS c.38G>T |
|-------------------------------|---------------------------------|
| Assay Catalog No. | DMH0000344 |
| 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).

