

# Validation Data Sheet

| dPCR Mutation Detection Assay | KRAS c.182A>G                   |
|-------------------------------|---------------------------------|
| Assay Catalog No.             | DMH0000023                      |
| 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%).

