

# Validation Data Sheet

dPCR Mutation Detection Assay	NRAS c.181C>G
Assay Catalog No.	DMH0000347
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%).

