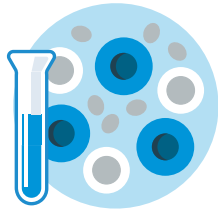


A molecular Research assay for the identification of SNVs and indels in *NRAS*, *KRAS* and *BRAF* genes associated with various types of cancer. The flexible research assay can analyze the most frequent mutations (plex 1 only) and for the entire coding regions of *NRAS*, *KRAS* and *BRAF*.



Application

- For detection of mutations, SNVs and indels, in *NRAS*, *KRAS* and *BRAF* in FFPE-derived DNA.

Assay characteristics

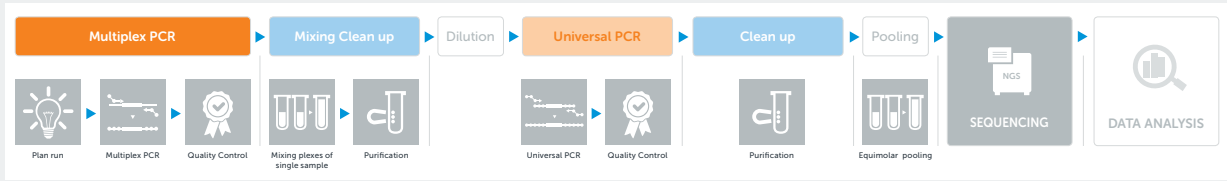
Genes analyzed:	<i>NRAS</i> , <i>KRAS</i> and <i>BRAF</i>
Genomic region analyzed:	4.6 kb
Number of amplicons:	30
Amplicon length:	168 – 255 bp
Number of Plexes:	3
Design compatible with	Illumina NextSeq, MiniSeq and MiSeq systems IonTorrent NGS Systems
Number of samples/run*	@ 5 % VAF _{sample} : MiSeq V2: 70 MiSeq V3: 129

* Number of samples per run for Illumina & IonTorrent NGS Systems can be calculated via the [sequencing calculator](#).

Performance

Uniformity of amplification (0.2x mean coverage)	> 97.5 %
On target read counts	> 99 %

Workflow



Order information

Cat. No.	Product Name	Reactions
MR-0182.024	SOMATIC 1 MASTR Plus	24

MID (Molecular Identifiers) kits are necessary to complete the workflow.

For Research Use Only. Not for use in diagnostic procedures.

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