

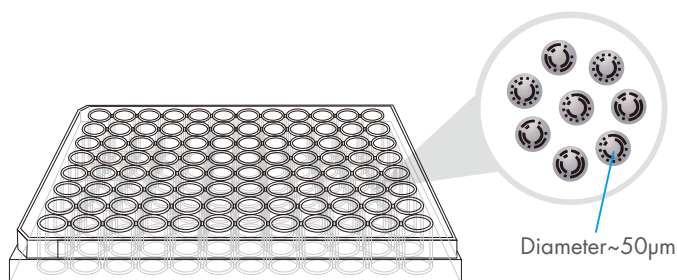


IntelliPlex™ NRAS Mutation Kit

The IntelliPlex™ NRAS Mutation Kit is a qualitative molecular assay for the detection of somatic mutations on exons 2-4 of the NRAS gene. A total of 33 mutations can be identified in a single well by using the πCode™ MicroDisc and SelectAmp PCR Technologies. The high sensitivity (down to 0.1%-0.01%) of the IntelliPlex NRAS Mutation Kit makes it perfect for liquid biopsy assays.

Single-Well Multiplexing

Multiplexing is made possible by using the πCode MicroDiscs technology. Each probes are individually coated on the MicroDiscs of different image patterns. The coated MicroDiscs are then pooled together for hybridization in a single-well format.



NRAS (33 Mutations)

Exon	A.A Change
Exon 2	G12A, G12D, G12V, G12C, G12R, G12S, G13A, G13D, G13V, G13C, G13R, G13S
Exon 3	A59A, A59T, A59D, Q61K (C>A), Q61K (AC>TA), Q61R (AA>GG), Q61R (A>G), Q61R (CA>AG), Q61L (A>T), Q61L (AA>TG), Q61L (CA>TT), Q61H (A>T), Q61H (A>C), Q61Q (A>G), Q61P (A>C), Q61E (C>G)
Exon 4	K117R(350A>G), K117NC(G>C) K117NT(G>T) A146V(C>T), A146P(G>C)

▶ PRODUCT HIGHLIGHTS

- Single-well multiplex detection
- Highly sensitivity (0.1% to 0.01%)
- Low sample input (10ng-100ng)
- < 6 hrs turnaround time (sample preparation included)

▶ INSTRUMENTATIONS

- DigiPlex™ Thermocycler
- IntelliPlex™ 1000 πCode Processor
- PlexBio™ 100 Fluorescent Analyzer

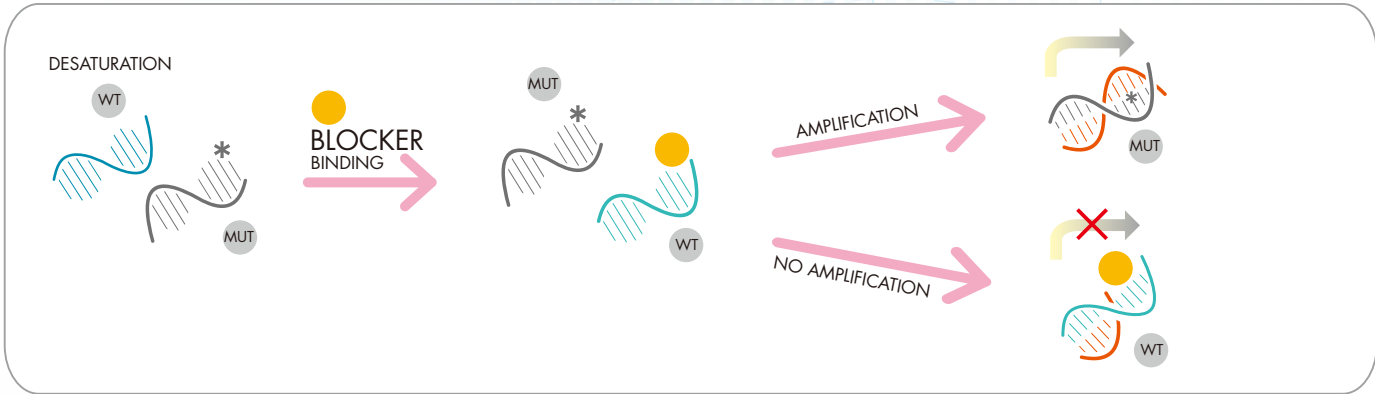
▶ SPECIMEN

- FFPE
- Liquid Biopsy**

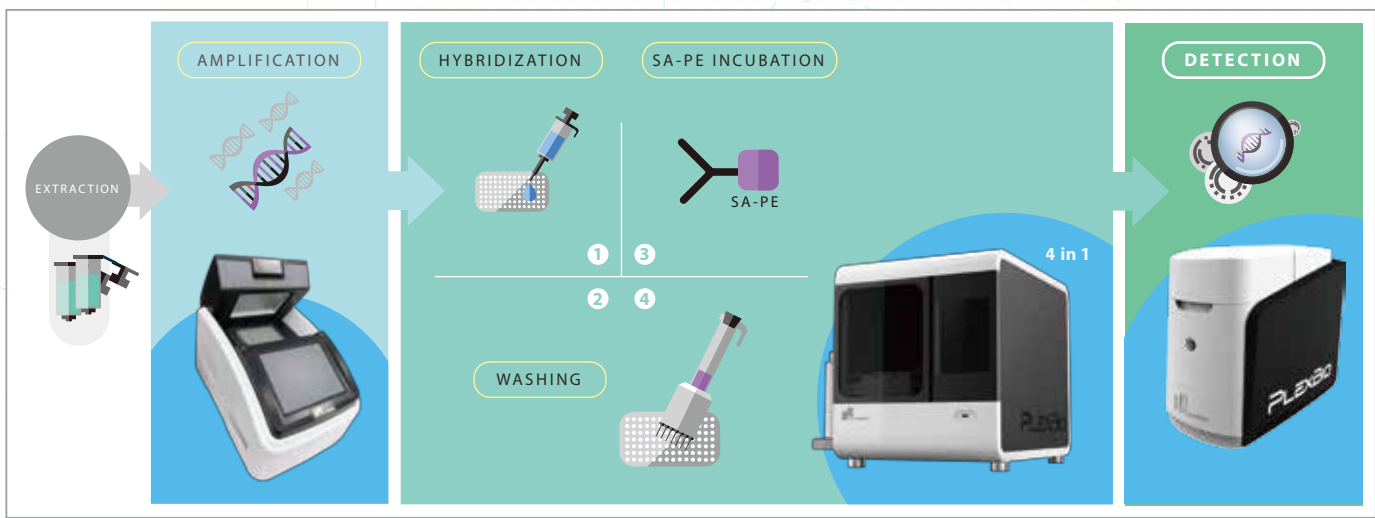
**For Research Use Only

SelectAmp PCR Technology

Selective amplification of mutated gene could be achieved by blocking wild type gene.

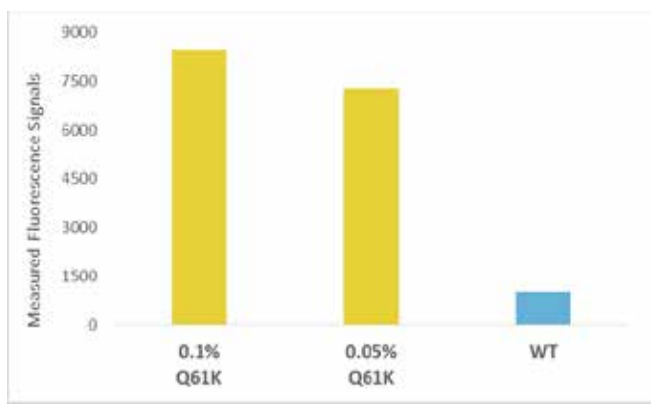


Assay Work Flow



High Sensitivity

An example performance of the IntelliPlex NRAS Mutation Kit, as illustrated by its capability to detect small amounts of mutant among the wild type DNA.



Order Information

Category	Product Name	Package Volume	Cat. No.
Assay Kit	IntelliPlex™ NRAS Mutation Kit	24 rxns	82020

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