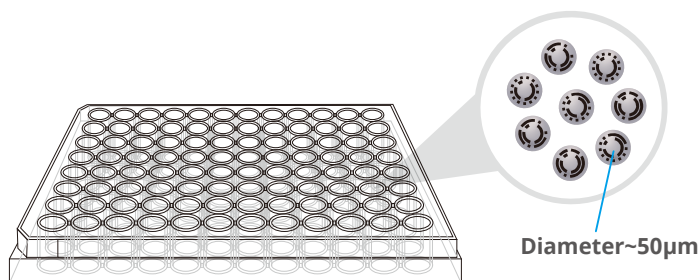


IntelliPlex™ KRAS Mutation Plus Kit

The IntelliPlex™ KRAS Mutation Plus Kit is a qualitative molecular assay for the detection of somatic mutations on exons 2-4 of the KRAS gene. A total of 25 mutations can be identified in a single well by using the π Code™ MicroDisc and SelectAmp PCR Technologies. The high sensitivity (down to 0.1%-0.01%) of the IntelliPlex™ KRAS Mutation Plus Kit makes it perfect for liquid biopsy assays.

Single-Well Multiplexing

Multiplexing is made possible by using the π Code™ 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.



KRAS+ (25 Mutations)

| Exon | A.A Change |
|-------|---------------------------------------------------------|
| Exon2 | G12A, G12D, G12V, G12C, G12R, G12S |
| | G13A, G13D, G13V, G13C, G13R, G13S |
| Exon3 | A59T, A59E, A59G |
| | Q61H(A>C), Q61H(A>T), Q61K(181C>A), Q61P (182A>C), Q61E |
| Exon4 | K117N(A>T), K117N(A>C) |
| | A146T, A146P, A146V |

▶ 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)

▶ INSTRUMENTATION

- DigiPlex™ Thermocycler
- IntelliPlex™ 1000 π Code Processor
- PlexBio™ 100 Fluorescent Analyzer

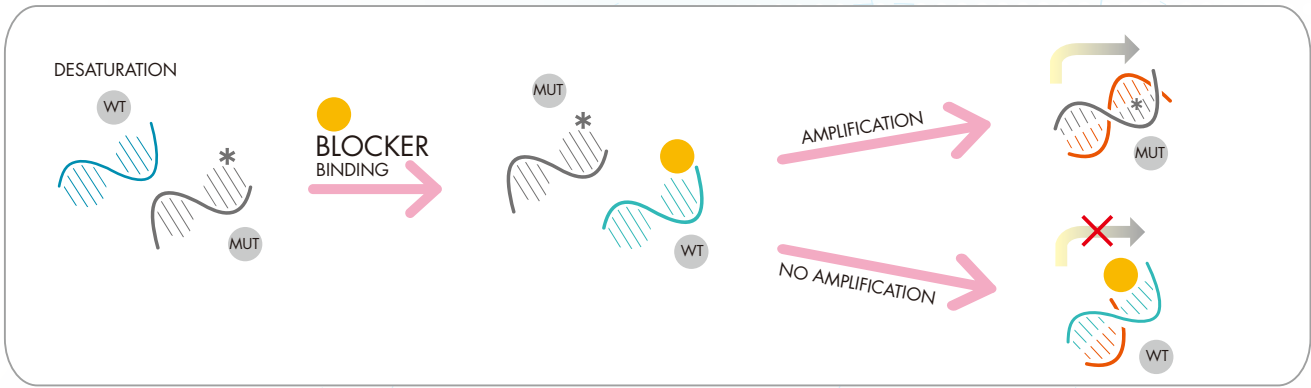
▶ SPECIMEN

- FFPE
- Liquid Biopsy**

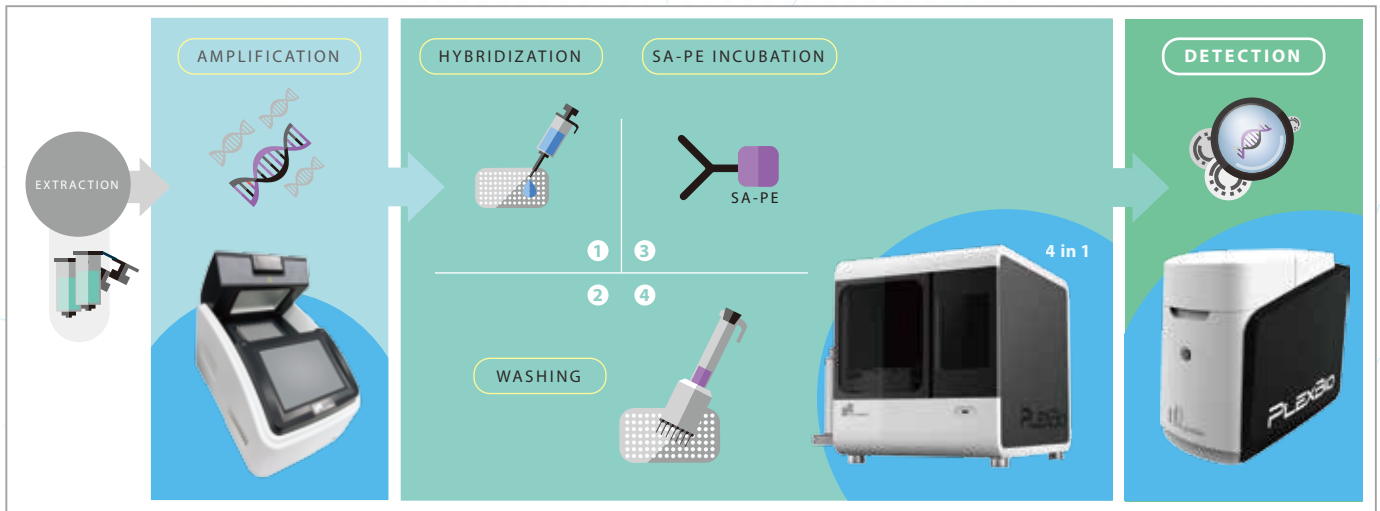
** For Research Use Only

SelectAmp PCR Technology

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

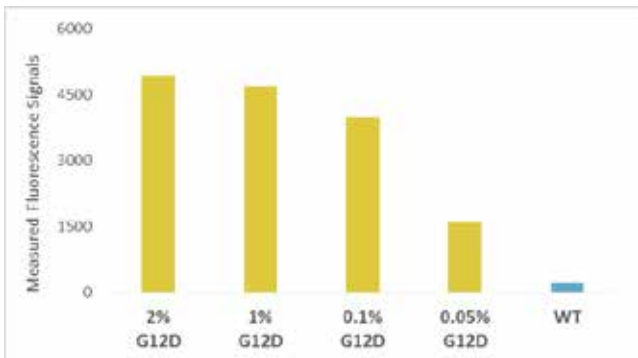


Assay Work Flow

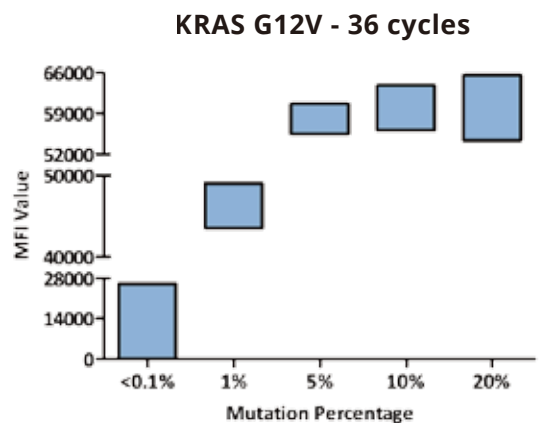


Performance Data

Semi-Quantitative of KRAS Mutation Level in cDNA



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



* A higher percentage of mutations can be further distinguished by repeating the assay with fewer amplification cycles such as 34 cycles.

Order Information

| Category | Product Name | Package Volume | Cat. No. |
|-----------|-------------------------------------|----------------|----------|
| Assay Kit | IntelliPlex™ KRAS Mutation Plus Kit | 24 rxns | 82022 |



PlexBio Co., Ltd.

Order info : order@plexbio.com

General info : marketing@plexbio.com