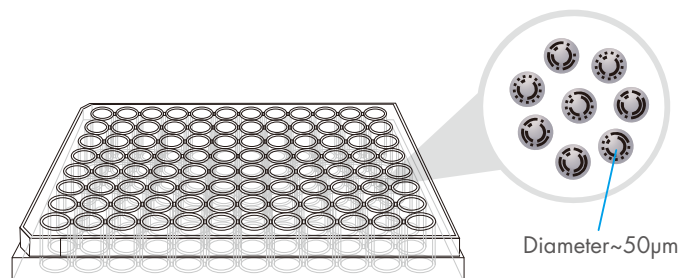


IntelliPlex™ BRAF Mutation Kit

The IntelliPlex™ BRAF Mutation Kit is a qualitative molecular assay for the detection of somatic mutations on exon 15 of the BRAF gene. A total of 7 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™ BRAF Mutation Kit makes it perfect for liquid biopsy assays.

Multiplex Concept

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.



BRAF (7 Mutations)

Exon	A.A Change
Exon15	V600E1, V600E2, V600D, V600G, V600K, V600R, V600M

► INSTRUMENTATIONS

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

► SPECIMEN

- FFPE
- Liquid Biopsy**

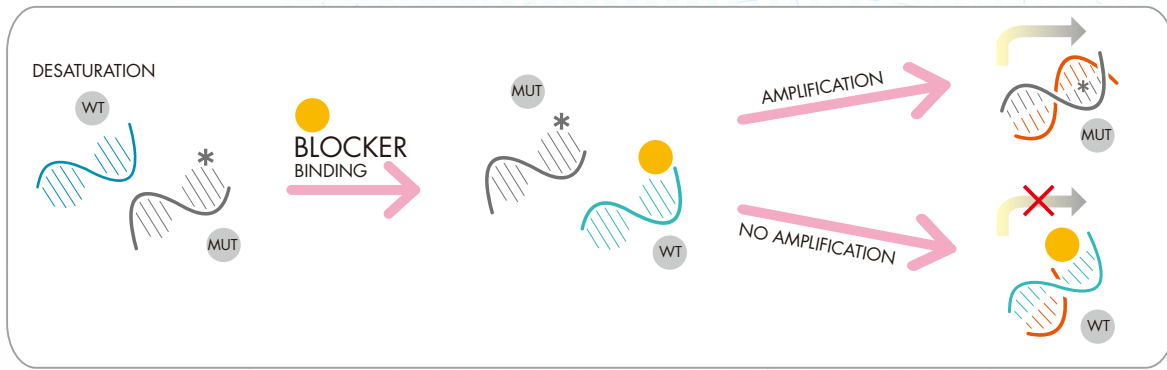
► PRODUCT HIGHLIGHTS

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

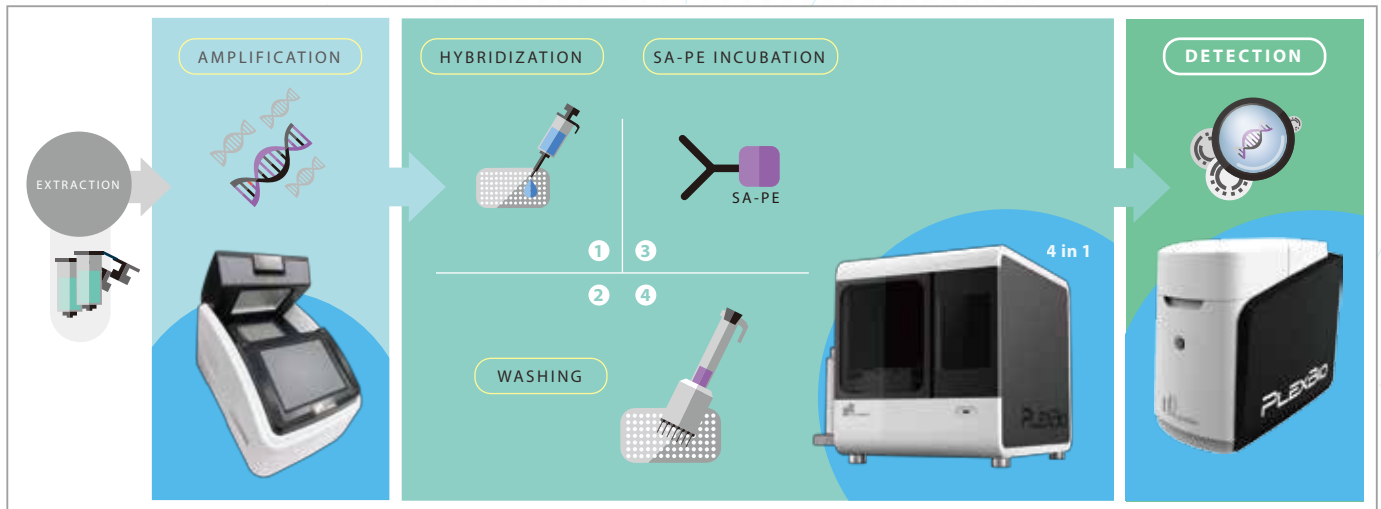
**For Research Use Only

Select Amp PCR Technology

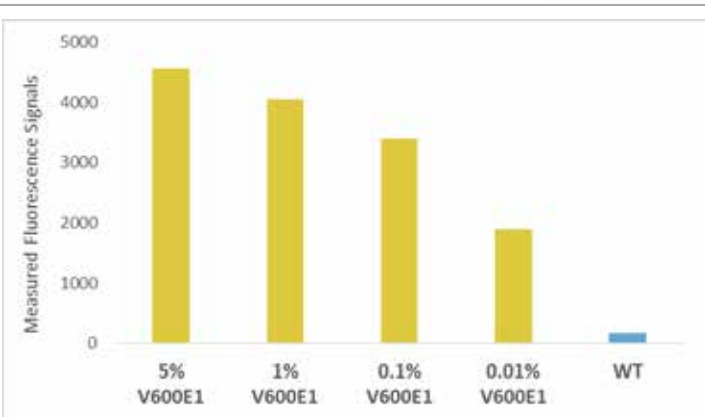
Selective amplification of mutated gene could be achieved by blocking wild type gene.



Assay Work Flow



High Sensitivity



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

Comparison to Competitor's Assay

FFPE DNA specimens	Brand-R BRAF Mutation Kit	IntelliPlex BRAF Mutation Kit
No. 1	Mutation Not Detected	Mutation Not Detected
No. 2	Mutation Not Detected	Mutation Not Detected
No. 3	Mutation Not Detected	Mutation Not Detected
No. 4	Mutation Not Detected	Mutation Not Detected
No. 5	Mutation Not Detected	Mutation Not Detected
No. 6	V600E1	V600E1
No. 7	Mutation Not Detected	Mutation Not Detected
No. 8	Mutation Not Detected	Mutation Not Detected
No. 9	Mutation Not Detected	Mutation Not Detected
No. 10	V600E1	V600E1

10 FFPE DNA samples were tested using Brand-R BRAF Mutation Kit and IntelliPlex BRAF Mutation Kit.

Order Information

Category	Product Name	Package Volume	Cat. No.
Assay Kit	IntelliPlex™ BRAF Mutation Kit	24 rxns	82004

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