

Human B-raf Gene V600E Mutation Detection Kit

(Fluorescent PCR Method)

Studies have shown that B-raf gene mutation exists in a variety of malignant tumors such as non-small cell lung cancer and colorectal cancer. Among them, V600E point mutation on exon 15 is the most common, accounting for more than 90%. This mutation leads to abnormal activation of B-raf protein, which leads to the failure of treatment of patients to receive EGFR-TKI drugs and EGFR monotherapy.

Based on the real-time fluorescent PCR platform, this kit is used to detect B-raf gene V600E mutation by combining alleles specific amplification (ARMS) technology, wild-type gene amplification inhibition technology and multiple PCR technologies. The test result of this kit can assist the clinician in developing drug regimens for patients with non-small cell lung cancer and colorectal cancer.

FEATURES



High Sensitivity

Reliable detection of V600E mutations in the B-raf gene, sensitive to detect up to 1% mutation in B-raf gene



Internal Control

The use of internal control system in the kit can effectively prevent false negative results



High Precision

The precision values of intra and inter Ct values are all $\leq 5\%$



User-friendly

Widely applicable in instruments with FAM, ROX/Texas Red fluorescence channels



More Accessible

CE marked, accessible for more countries

DATA INTERPRETATION

Figure 1: Gradient concentration samples amplification curve

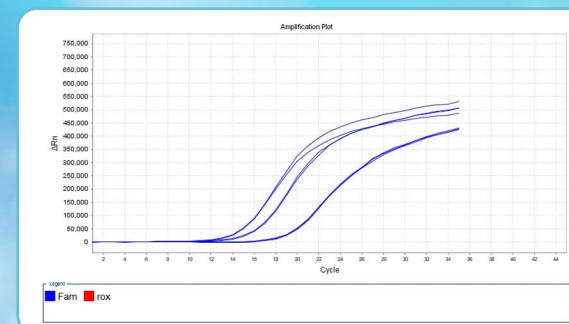
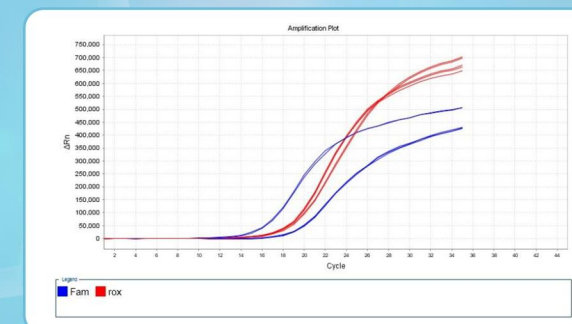


Figure 2: High concentration and low concentration samples repetitive amplification curve



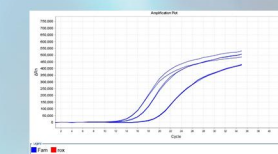
Positive standard: The sample mutation signal (FAM channel) was detected to be positive for B-raf gene V600E mutation with a typical s-type amplification curve and a Ct value of no more than 32.

ORDERING INFORMATION

Product Name	Human B-raf Gene V600E Mutation Detection Kit (Fluorescence PCR Method)
Cat.No	P111H
Specification	20T/Kit
Specimen	Paraffin-embedded pathological tissue sections of non-small cell lung cancer and colorectal cancer
Type of Analysis	Qualitative
Target Gene	Human B-raf Gene V600E Mutation
Precision	$\leq 5\%$
Storage & Validity	-25°C~-15°C for 6 months
Applicable Equipment	Instruments with FAM, ROX/Texas Red fluorescence channels such as ABI7500 real time PCR system, Linegene FQD-96A real time PCR system, Tianlong Gentier Real-time PCR Systems

ASSAY WORKFLOW

- 1 Sample Collection
- 2 Nucleic Acid Extraction
- 3 PCR Detection
- 4 Analysis and Report



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