NMPA CE IVD

Mospire

B-Raf V600E Gene Mutation Detection Kit

Fluorescent Probe-Based Real-Time PCR Assay

- Auxiliary diagnostic indicators (DNA) for the individualized treatment plan for cancer patients

Intended Use

This kit is used for the detection of mutations in tumor-specific oncogene gene B-raf V600E, and can be used for individualized molecular diagnosis of tumors, thereby guiding individualized clinical treatment plans for tumor patients.

Mutation Frequency of B-Raf Gene V600E	60%～80% Malignant Melanoma	29%～83% Thyroid Cancer	6%～15% Colorectal Cancer	1%～3% Lung Cancer

Product Features

High Sensitivity

Can detect 1% mutation of B-Raf V600E Gene.

High Specificity

Dual blocking technology by using ARMS primers and blocking probes, effectively increasing the specificity of detection.

Easy to Use

Complete the test within 3 hours from sampling to amplification.

Accurate Result

Reliable results and reducing false negative test results through internal control.

- **Accurate and quick identification of non-mutated B-Raf and V600E Mutation simultaneously.**
- **Help physicians and patients to select effective medicines and treatment strategies to improve the cure rate.**
- **Avoid dysbiosis due to multiple medicines and prolonged treatment duration.**
- **Reduce the cost of diagnosis and treatment of cancer.**

Specification

12 Tests/Kit

Applicable Specimen

Tumor patient's lesion tissue, including fresh diseased tissue, frozen pathological section, paraffin-embedded pathological tissue or section samples.

Clinical Data

Coincidence Rate	Thyroid Cancer Sample	Colorectal Cancer Sample
Sensitivity (Positive coincidence rate)	100%	100%
Specificity (Negative coincidence rate)	90.91%	98.19%
Overall Coincidence Rate	98.07%	98.31%

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