CE IVD

Mospire

K-Ras Gene Mutation Detection Kit

Fluorescent Probe-Based Real-Time PCR Assay

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

Background

The K-Ras gene is located on chromosome 12 and plays an important role in the growth of human tumors. The normal K-ras gene can regulate the cell growth path. Once the K-ras gene is mutated and it permanently activated, then intracellular signal conduction is disturbed, which leads to continuous cell growth and prevents cell apoptosis, thereby causing cancer.

K-Ras Gene Mutation Frequency	≈40%	≈90%	≈15%
	Colorectal Cancer	Pancreatic Cancer	Lung Cancer

Product Features

High Sensitivity

Can detect 0.2% mutation of K-Ras 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 7 mutation sites of K-Ras 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.**

Applicable Instruments

Applied Biosystems™ 7500 Real-Time PCR System

Stratagene MX 3000P/3005P Real-Time PCR System

BioRad CFX96 Real-Time PCR System

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.

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