

BRAF

MUTATION ANALYSIS



BRAF MUTATION ANALYSIS - by RT-PCR

BRAF is a member of the RAF family, a group of serine/threonine kinases that play important roles in the extracellular signal regulated kinase cascade. BRAF mutation is commonly found in many cancers such as melanomas, colorectal cancers and papillary type of thyroid carcinoma. BRAF V600E, causing an amino acid substitution at codon 600 in exon 15, accounts for more than 80% of the reported BRAF mutation, is a somatic mutation with the highest pathogenic cancer-associated prevalence.

Tellgen's BRAF mutation detection kit can accurately identify V600E mutation present in DNA samples by RT-PCR.

● Methodology

By Real-Time PCR

● Targeted Mutation

◇ V600E

● Benefits

Hands on time: <30 min

Sample to answer time: <90 min

Sensitivity: ~1%

● Specimen Requirements

◇ Formalin-fixed,
paraffin-embedded
tissue

◇ Fresh tissue sample

◇ Frozen biopsy

◇ DNA materials



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