

# BRAF V600E Detection Kit

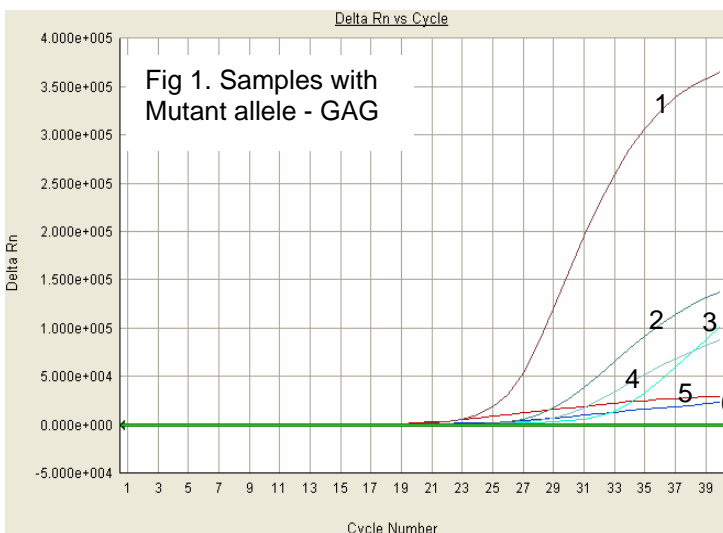
**BRAF** is a member of the RAF family, a group of serine/threonine kinases that play important roles in the extracellular signal regulated kinase cascade. RAF kinases are critical for cell development and differentiation. Mutations in these proteins may influence the prognosis of certain types of tumors. BRAF mutation is commonly found in many cancers such as melanomas, colorectal cancers and papillary type of thyroid carcinoma. BRAF V600E is a somatic mutation with the highest pathogenic cancer-associated prevalence. This mutation, causing an amino acid substitution at codon 600 in exon 15, accounts for more than 80% of the reported BRAF mutation cases to date.

The eQ-PCR™ BRAF V600E Detection Kit is designed to detect the BRAF V600E mutation present in DNA samples. The mutation is detected by TrimGen's proprietary eQ-PCR technology (enhanced Quantitative-PCR, US patent pending) and the detection kit is designed for real-time PCR systems. It provides an accurate, sensitive and rapid assay to detect the BRAF V600E mutation even at very low levels.

eQ-PCR™ BRAF V600E kit is a highly sensitive and accurate test for the detection of BRAF mutation from tissue and blood samples. The test uses real-time PCR instrument and is performed in a closed-tube, walk-away system.

<b>Assay Type:</b>	Mutation Detection
<b>Sensitivity:</b>	5% mutation
<b>Sample Source:</b>	DNA (from tissues or whole blood)
<b>Platform</b>	Real-time PCR instruments with FAM and VIC channels.

eQ-PCR™ BRAF V600E kit is able to detect GTG to GAG mutation at levels greater than 5%.



- Sample #1: Kit mutation control (showing exponential curve)
- Samples #2-4: >5% mutation (showing exponential curve)
- Sample #5: Kit wild type control (no amplification)
- Sample #6: Wild type patient sample control (no amplification)



**800.825.6005**  
**www.trimgen.com**

### Product Information

Name	Kit size	Cat No.
BRAF-V600E	32 tests	EP-12