

OUR CERTIFICATIONS

Our certifications

- ✓ ISO 13486:2016 certified
- ✓ ISO 9001: 2015 certified
- ✓ DPIIT (Govt. of India) certified
- ✓ Institutional Biosafety Committee (DBT)
- ✓ MSME Registered
- ✓ Trademark Registered with Trade Mark, Registry, Govt. of India

CONTACT

PHONE:
+91-6353339602

WEBSITE:
Wobblebase.in

EMAIL:
support@wobblebase.in

GRANTS/AWARDS

- ✓ Biotechnology Ignition Grant Award-2013
- ✓ Grand Challenge-TB Control - Bill and Melinda Gates Foundation | USAID | BIRAC, Govt. of India Phase-1 Grant -2015;
- ✓ Grand Challenge-TB Control - Bill and Melinda Gates Foundation | USAID | BIRAC, Govt. of India Phase 2 Grant-2017
- ✓ Grand Challenge Explorations- Bill and Melinda Gates Foundation | USAID | BIRAC, Govt. of India Grant-2017
- ✓ DBS-NUS Social Venture Challenge Asia 2017 Finalist.
- ✓ BIRAC (Dept. of Biotechnology) Pre- Accelerator MedTech Challenge Grant-2021
- ✓ Fastest Growing Indian Company Award (2019) – International Achievers Conference, Bangkok
- ✓ Small Business Innovation Research Initiative (SBIRI) (2013) – Dept. of Science and Tech., Govt. of India.
- ✓ TATA Health Fund (Phase 1 - Biosafety) – 2024

INTRODUCTION

- WobbleBase BRAF Real-time PCR Kit is used to detect and quantify the BRAF V600E, E2, D and D2 somatic mutations in human genomic DNA.
- Single nucleotide mutation of the BRAF V600E gene leads to increased activation of the MAP kinase cascade, resulting in proliferation and dedifferentiation.
- BRAF gene mutation alone is not sufficient to induce a malignant transformation, its role lies more in the progression of the disease than in the initiation.
- BRAF gene mutations are also associated with a number of tumors (malignant melanoma, non-Hodgkin's lymphoma, thyroid papillary carcinoma, non-small cell lung carcinoma and lung adenocarcinoma)
- This kit is used to detect and quantify the BRAF V600E, E2, D somatic mutation in human genomic DNA.
- The detection principle is based on real-time polymerase chain reaction (qPCR) using fluorescently labeled probes and allele specific primers.

KEY FEATURES

- Unmatched Sensitivity: Detects even the faintest traces of the BRAF-V600E mutation with exceptional precision, enabling early identification and intervention.
- Customized Assays: Tailored to meet your specific research or clinical needs, ensuring reliable results every time.
- Rapid Results: Experience rapid turnaround times without compromising on accuracy, speeding up your research or diagnostic processes.
- Robust Performance: Built on cutting-edge technology, our reagents deliver consistent and reproducible results, empowering your work with confidence.
- Streamlined Workflow: Simplify your experimental procedures with user-friendly protocols, saving valuable time and resources.

WB Diagnostic Kit for BRAF Real-time PCR Kit

- Versatile Applications: Ideal for a wide range of sample types, including challenging tumor tissues, enabling comprehensive cancer detection strategies.
- Trusted Quality: Backed by rigorous quality control measures, our reagents uphold the highest standards of reliability and performance.

SPECIFICATIONS

Technology	Real-Time PCR with hydrolysis probes
Type of Analysis	Qualitative
Target Sequence	Detection of Val600Glu of BRAF gene
Analytical Specificity	100 %
Analytical Sensitivity (LoD with probability 95 %)	100%
Detected Genotype	Wild and mutant alleles
Controls	Negative control, positive control
Validated specimen	Whole blood
Reporting Units	BRAF DNA detected, not detected or inconclusive
Storage	-20 ± 5 °C
Required detection channels	FAM, HEX(VIC)
Instrument	Compatible with a wide range of real-time PCR device

**Your thinking
partner in
science**

CATALOG NUMBER	PRODUCT INFORMATION	CONTENTS
BRAFD/WBB/50	WB Diagnostic BRAF Real-time PCR Kit	50 reactions
BRAFD/WBB/100	WB Diagnostic BRAF Real-time PCR Kit	100 reactions
BRAFD/WBB/50	WB Diagnostic BRAF Real-time PCR Kit	50 reactions

WB Diagnostic Kit for BRAF Real-time PCR Kit

BRAFD/WBB/100

WB Diagnostic BRAF Real-time PCR Kit

100 reactions