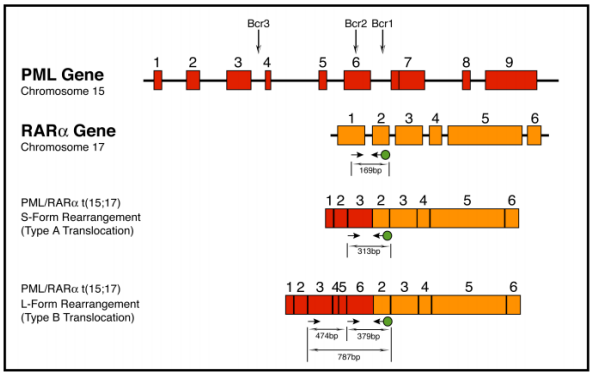
TRUPCR® PML-RARA kit

Detection of the *PML-RARA* t(15;17) translocation is diagnostic for acute promyelocytic leukemia (APL), although the diagnosis can also be based on morphology. Investigations suggest that 99% of APL patients harbor a translocation between chromosomes 15 and 17, which fuses the retinoic acid receptor alpha (RARA) gene on chromosome 17 with the PML gene on chromosome 15. Detection of the PML-RARA t(15;17) translocation is therefore used within clinical research as an identifier for APL. Depending on the location of breakpoints within the PML site, intron 6, exon 6 and intron 3, the respective PML-RARa transcript subtypes referred to as long (L or bcr1), variant (V or bcr2) and short (S or bcr3), may be formed. They represent 50-55%, 5-10% and 30-40% of the cases respectively.

TRUPCR® PML-RARA is an in-vitro nucleic acid amplification assay for the qualitative detection of *PML-RAR*-alpha fusion transcripts in human clinical samples. In this multi-tube assay, extracted RNA is subjected to a separate real-time reverse transcription-polymerase chain reaction (RT-PCR) procedures to detect long (L or bcr1), variant (V or bcr2) and short (S or bcr3) isoforms simultaneously.



An additional amplification for the *ABL* gene is performed as a control for sample RNA quality.

Key features:

- First commercial assay to accurately detect and differentiate of bcr1, bcr2 & bcr3 fusion transcripts
- Detection and differentiation of both 5' and 3' forms of bcr2 (variant) form.
- Higher sensitivity and specificity with easy workflow and quick analysis
- All the reagents required for the test included in the kit
- Compatible with various real time PCR instruments

Ordering information:

Cat. No.	Product	Contents
3B1258	TRUPCR® PML-RARA Qualitative Kit	48Rxn
3B1255	TRUPCR® PML-RARA Qualitative Kit	96Rxn

For enquiries please email us at : info@3bblackbio.com Or

Visit us at www.3bblackbio.com