

TCF3-PBX1 Dual Fusion/Translocation FISH Probe Kit

Introduction

The TCF3-PBX1 Dual Fusion/Translocation FISH Probe Kit is designed to detect rearrangements involving the human TCF3 and PBX1 genes located on chromosome bands 19p13.3 and 1q23.3, respectively. Rearrangements between the two genes, the TCF3 gene – also known as E2A, E47, ITF1, VDIR, TCF-3 or bHLHb21, have been observed in B-cell acute lymphoblastic leukemias (B-ALL) and other tumor types.

Intended Use

To detect rearrangements involving the human *TCF3* and *PBX1* genes located on chromosome bands 19p13.3 and 1q23.3, respectively.

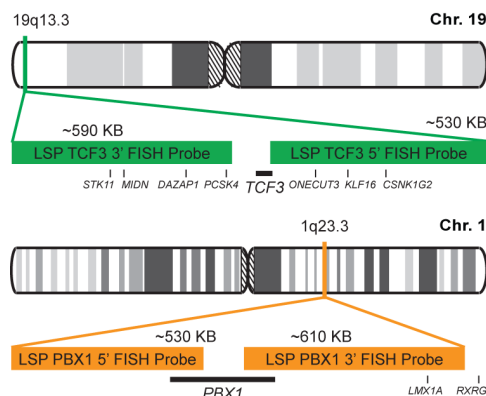
Cont.

Color

LSP TCF3 5'-3' FISH Probe
LSP PBX1 5'-3' FISH Probe

CytoGreen
CytoOrange

Probe Design



LSP TCF3 5'-3' FISH Probe covers the 5' (start) portion of the *TCF3* gene and some genomic sequences adjacent to the 5' (start) and 3' (end) of the gene. LSP PBX1 5'-3' FISH Probe covers the 5' (start) and 3' (end) part as well as sequences upstream and downstream of the *PBX1* gene, respectively. The probe set is optimized to reveal translocations between the two gene regions.

Cat. No.

Volume

CT-PAC308-10-GO

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns

202G

Abnormal Patterns

Other Patterns

- 1) Mathew S, et al. *Leukemia*. 15(3):468-72 (2001).
- 2) La Starza R, et al. *Leukemia*. 19(9):1696-9 (2005).
- 3) Yeung J, et al. *Haematologica*. 91(3):422-4 (2006).
- 4) Barber KE, et al. *Genes Chromosomes Cancer*. 46(5):478-86 (2007).
- 5) Slattery C et al. *Int J Biochem Cell Biol*. 40(8):1431-6 (2008).

* CE IVD only available in certain countries. All other countries are either ASR or RUO. Please contact your local dealer or our headquarters for more information.

DCN032

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CytoTest Inc.
1395 Piccard Drive, Suite 308
Rockville, MD 20850, USA