

TCF3 Break Apart FISH Probe Kit

Introduction

The TCF3 Break Apart FISH Probe Kit is designed to detect rearrangements in the human TCF3 gene located on chromosome band 19p13.3. In addition to revealing breaks, which can lead to translocation of parts of the gene, inversion, or its fusion to other genes, the probe set can also be used to identify other TCF3 aberrations such as deletions or amplifications. Rearrangements and abnormal expression of the TCF3 gene – also known as E2A, E47, ITF1, VDIR, TCF-3 or bHLHb21 – have been observed in adult and pediatric B-cell leukemias and other tumor types.

Intended Use

To detect rearrangements in the human *TCF3* gene located on chromosome band 19p13.3.

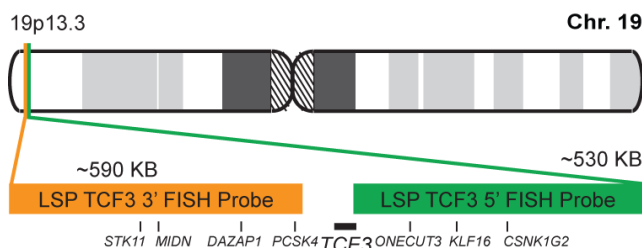
Cont.

LSP TCF3 5' FISH Probe
LSP TCF3 3' FISH Probe

Color

CytoGreen
CytoOrange

Probe Design



LSP TCF3 5' FISH Probe covers the 5' (start) portion of the *TCF3* gene and some adjacent genomic sequences. LSP TCF3 3' FISH Probe covers sequences downstream the 3' end of the gene. The two probes are flanking sequences across the *TCF3* gene in which variable breakpoints have been observed.

Not to Scale

Cat. No.

CT-PAC204-10-GO

Volume

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns

2F*

Abnormal Patterns

Other Patterns

*Overlapping orange and green signals can appear as yellow.

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.