

IKZF1 Break Apart FISH Probe Kit

Introduction

The IKZF1 Break Apart FISH Probe Kit is designed to detect rearrangements in the human *IKZF1* gene, mapping to chromosome band 7p12.2. 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 *IKZF1* aberrations such as deletions or amplifications. Rearrangements and abnormal expression of the *IKZF1* gene – also known as *IK1*, *hIk-1*, *LYF1*, *LyF-1*, *Hs.54452*, *IKAROS*, *ZNFN1A1* or *PPP1R92* – have been observed in acute lymphoblastic leukemia (ALL) and other malignancies.

Intended Use

To detect rearrangements in the human *IKZF1* locus situated on chromosome band 7p12.2.

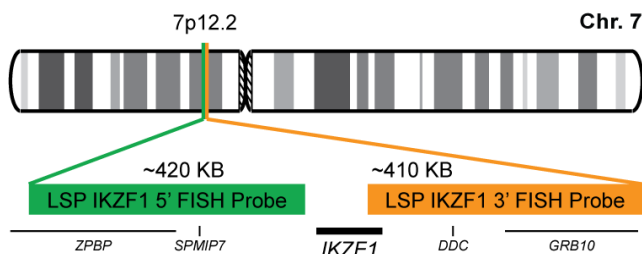
Cont.

Color

LSP IKZF1 5' FISH Probe
LSP IKZF1 3' FISH Probe

CytoGreen
CytoOrange

Probe Design



Not to Scale

LSP IKZF1 5' FISH Probe covers genomic sequences adjacent to the 5' (start) of the *IKZF1* gene. LSP IKZF1 3' FISH Probe covers sequences at the 3' (end) of the gene and some downstream genomic sequences. The two probes are flanking sequences across the *IKZF1* gene in which variable breakpoints have been observed.

Cat. No.

Volume

CT-PAC487-10-GO

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns

2F*

Abnormal Patterns

Other Patterns

*Overlapping orange and green signals can appear as yellow.

1) Eckardt JN, et al. Leukemia. 37(12):2395-2403 (2023).
2) Conserva MR, et al. Int J Mol Sci. 24(4):3282 (2023).
3) Braun M, et al. Hematol Oncol. 40(3):430-441 (2022).
4) Simonin M, et al. Blood. 137(12):1690-1694 (2021).
5) Stanulla M, et al. Blood. 135(4):252-260 (2020).

* 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.