

HLF Break Apart FISH Probe Kit

Introduction

The HLF Break Apart FISH Probe Kit is designed to detect rearrangements in the human *HLF* locus mapping to chromosome band 17q22. 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 *HLF* aberrations such as deletions or amplifications. Rearrangements and abnormal expression of the *HLF* gene have been observed in childhood B-lineage acute lymphoid leukemias and other malignancies.

Intended Use

To detect rearrangements in the human *HLF* locus situated on chromosome band 17q22.

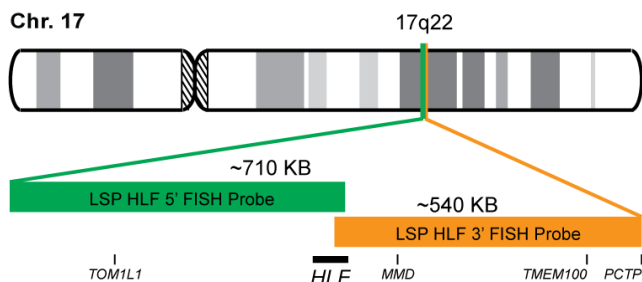
Cont.

Color

LSP HLF 5' FISH Probe
LSP HLF 3' FISH Probe

CytoGreen
CytoOrange

Probe Design



Not to Scale

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

Cat. No.

Volume

CT-PAC421-10-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) Honda H, et al. *Blood*. 93(9):2780-90 (1999).
- 2) Hunger SP, et al. *Genes Dev*. 6(9):1608-20 (1992).
- 3) Inukai T, et al. *Leukemia*. 21(2):288-96 (2007).
- 4) Hunger SP, et al. *Mol Cell Biol*. 14(9):5986-96 (1994).
- 5) Inaba T, et al. *Science*. 257(5069):531-4 (1992).

* 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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