

## TCF3-HLF Dual Fusion/Translocation FISH Probe Kit

### Introduction

The TCF3-HLF Dual Fusion/Translocation FISH Probe Kit is designed to detect rearrangements involving the human *TCF3* and *HLF* genes located on chromosome bands 19p13.3 and 17q22, respectively. Rearrangements between the two genes, the *TCF3* gene – also known as *E2A*, *E47*, *p75*, *AGM8*, *ITF1*, *VDIR*, *AGM8A*, *AGM8B*, *TCF-3* or *bHLHb21* – and the *HLF* gene, 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 *HLF* genes located on chromosome bands 19p13.3 and 17q22, respectively.

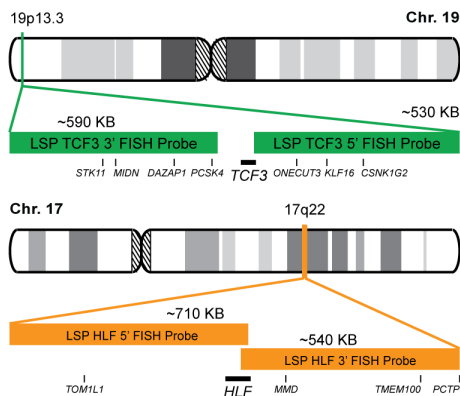
### Cont.

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

### Color

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

### Cat. No.

CT-PAC422-10-GO

### Volume

10 Tests (100 µL)

### Signal Pattern Interpretation

#### Normal Patterns

202G

#### Abnormal Patterns

Other Patterns

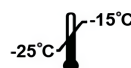
- 1) Honda H, et al. *Blood*. 93(9):2780-90 (1999).
- 2) Hunger SP, et al. *Genes Dev*. 6(9):1608-20 (1992).
- 3) Inukai T, et al. *Leukemia*. 21(2):288-96 (2007).
- 4) Hunger SP, et al. *Mol Cell Biol*. 14(9):5986-96 (1994).
- 5) Inaba T, et al. *Science*. 257(5069):531-4 (1992).

\* 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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