

## PDGFRB-ETV6 Dual Fusion/Translocation FISH Probe Kit

### Introduction

The PDGFRB-ETV6 Dual Fusion/Translocation FISH Probe Kit is designed to detect rearrangements involving the human *PDGFRB* and *ETV6* genes, located on chromosome bands 5q32 and 12p13.2, respectively. *PDGFRB* is also known as IMF1, IBGC4, JTK12, PDGFR, CD140B, PDGFR1 or PDGFR-1. *ETV6* is also known as *TEL*, *THC5* or *TEL/ABL*. Rearrangements involving portions of these two genes have been observed in acute as well as chronic lymphoid and myeloid malignancies.

### Intended Use

To detect rearrangements between the human *PDGFRB* and *ETV6* genes, located on chromosome bands 5q32 and 12p13.2, respectively.

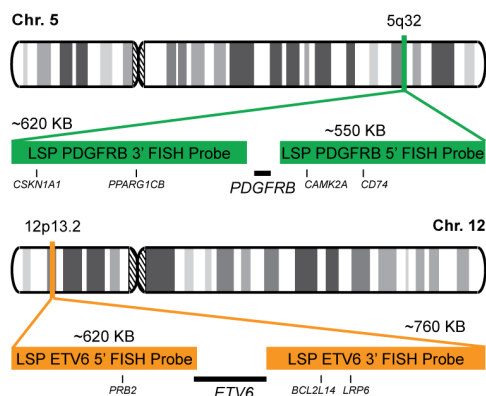
### Cont.

### Color

LSP PDGFRB 5'-3' FISH Probe  
LSP ETV6 5'-3' FISH Probe

CytoGreen  
CytoOrange

### Probe Design



LSP PDGFRB 5'-3' FISH Probe covers the sequences adjacent to the 5' (start) end of the *PDGFRB* gene, and it also covers the neighboring downstream region of the 3' (end) part and the gene. LSP ETV6 5'-3' FISH Probe covers some genomic sequences upstream of the 5' (start) portion of the *ETV6* gene, and it also covers the sequences adjacent to the 3' end of the gene. The probe set is optimized to reveal translocations between the two regions.

### Cat. No.

### Volume

CT-PAC471-10-GO

10 Tests (100 µL)

### Signal Pattern Interpretation

#### Normal Patterns

202G

#### Abnormal Patterns

Other Patterns

- 1) Curtis CE, et al. Leukemia. 21(8):1839-41 (2007).
- 2) Wlodarska I, et al. Blood. 89(5):1716-22 (1997).
- 3) Apperley JF, et al. N Engl J Med. 347(7):481-7 (2002).
- 4) Demoulin JB & Montano-Almendras CP. AM J Blood Res. 2(1):44-56 (2012).
- 5) Montano-Almendras CP, et al. Haematologica. 97(7):1064-72 (2012).

\* 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.

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