

## CBFB-MYH11 Fusion/Translocation FISH Probe Kit

### Introduction

The CBFB-MYH11 Fusion/Translocation FISH Probe Kit is designed to detect rearrangements involving the human *CBFB* and *MYH11* genes located on chromosome bands 16q22.1 and 16p13.11, respectively. Rearrangements between the two genes, the *CBFB* gene – also known as *CBFB* or *PEBP2B* – and the *MYH11* gene – also called *AAT4*, *FAA4*, *SMHC* or *SMMHC*, have been observed in acute myeloid leukemia (AML) and other hematological malignancies.

### Intended Use

To detect rearrangements involving the human *CBFB* and *MYH11* genes located on chromosome bands 16q22.1 and 16p13.11, respectively.

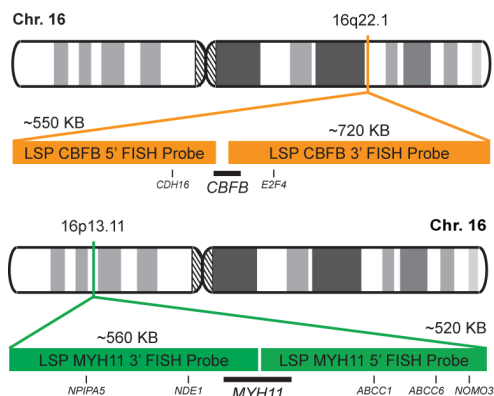
### Cont.

LSP CBFB 5'-3' FISH Probe  
LSP MYH11 5'-3' FISH Probe

### Color

CytoOrange  
CytoGreen

### Probe Design



LSP CBFB 5'-3' FISH Probe covers the 5' (start) and 3' (end) portion of the *CBFB* gene and some genomic sequences adjacent to the two ends of the gene. LSP MYH11 5'-3' FISH Probe covers about the entire *MYH11* gene as well as sequences upstream (5' start) and downstream (3' end) of the gene. The probe set is optimized to reveal translocations between the two genes.

### Cat. No.

CT-PAC306-10-OG

### Volume

10 Tests (100 µL)

### Signal Pattern Interpretation

#### Normal Pattern

2O + 2G\*

#### Abnormal Pattern

Other Patterns

\*Overlapping orange and green signals can appear as yellow.

- 1) O'Connor C. *Nature Education*. 1(1):171 (2008).
- 2) Ried T, et al. *Hum Mol Genet*. 7(10):1619-26 (1998).
- 3) Liu P, et al. *Blood*. 82(3):716-21 (1993).
- 4) van der Reijden BA, et al. *Blood*. 82(10):2948-52 (1993).



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\* 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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