CytoTest®

Premium **FISH** for Quality of Lives

ENGLISH

For Professional Use Only

CBFB-MYH11 Dual Fusion/Translocation FISH Probe Kit

Introduction

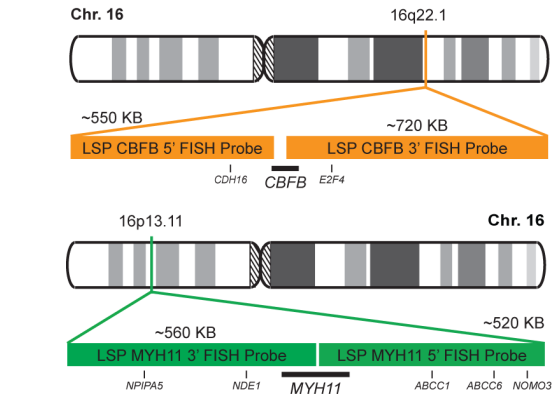
The CBFB-MYH11 Fusion/Translocation FISH Probe Kit is designed to detect rearrangements involving the human CBFB and MYH11 genes located on chromosome bands 16q22.1 and 16p13.11, respectively. Rearrangements between the two genes, the CBFB gene – also known as CBFb or PEBP2B – and the MYH11 gene – also 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.	Color
LSP CBFB 5'-3' FISH Probe	CytoOrange
LSP MYH11 5'-3' FISH Probe	CytoGreen

Probe Design



Not to Scale

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.	Volume
CT-PAC306-10-OG	10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns	Abnormal Patterns
2O2G*	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).

-25°C -15°C

IVD

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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.