

CBFB Break Apart FISH Probe Kit

Introduction

The CBFB Break Apart FISH Probe Kit is designed to detect rearrangements in the human CBFB gene located on chromosome band 16q22.1. 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 CBFB aberrations such as deletions or amplifications. Rearrangements and abnormal expression of the CBFB gene – also known as CBFb or PEBP2B – have been observed in acute myeloid leukemia (AML) and other hematological malignancies.

Intended Use

To detect rearrangements in the human *CBFB* gene located on chromosome band 16q22.1.

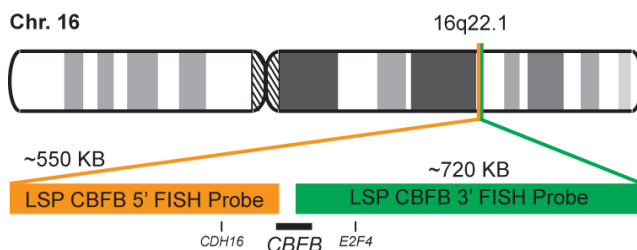
Cont.

Color

LSP CBFB 5' FISH Probe
LSP CBFB 3' FISH Probe

CytoOrange
CytoGreen

Probe Design



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

Not to Scale

Cat. No.

Volume

CT-PAC328-10-OG

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns

2F*

Abnormal Patterns

Other Patterns

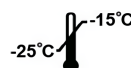
*Overlapping orange and green signals can appear as yellow.

- 1) Liu P, et al. Blood. 82(3):716-21 (1993).
- 2) Ogawa E, et al. Virology. 194(1):314-31 (1993).
- 3) Ogawa E, et al. Proc Natl Acad Sci U S A. 90(14):6859-63 (1993).
- 4) van der Reijden BA, et al. Leukemia. 10(2):204-6 (1996).
- 5) Wang Q, et al. Cell. 87(4):697-708 (1996).

* 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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CytoTest Inc.
1395 Piccard Drive, Suite 308
Rockville, MD 20850, USA