

DLEU1/TP53 FISH Probe Kit

Introduction

The DLEU1/TP53 FISH Probe Kit is designed to detect the human DLEU1 and TP53 genes located on chromosome bands 13q14.2 and 17p13.1, respectively. Rearrangements and abnormal expression of the DLEU1 gene region – also known as BCMS, DLB1, LEU1, LEU2, XTP6, BCMS1, DLEU2, LINC00021 or NCRNA00021 – and the TP53 gene – also known as P53, BCC7, LFS1 or TRP53 – have been observed in B-cell chronic lymphocytic leukemia (CLL) and other malignancies.

Intended Use

To measure the copy number of the human *DLEU1* and *TP53* genes located on chromosome bands 13q14.2 and 17p13.1, respectively.

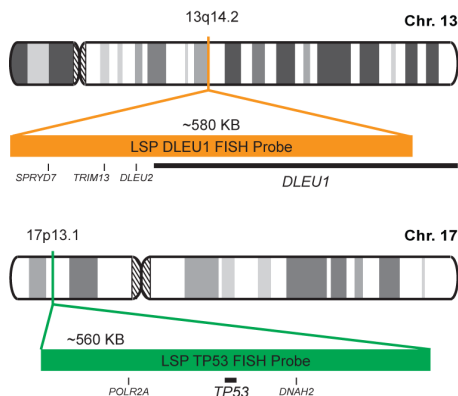
Cont.

Color

LSP DLEU1 FISH Probe
LSP TP53 FISH Probe

CytoOrange
CytoGreen

Probe Design



Not to Scale

LSP DLEU1 FISH Probe covers the center sequences and the 5' (start) portion of the *DLEU1* gene and some adjacent genomic sequences. LSP TP53 FISH Probe covers a chromosomal region which includes the entire *TP53* gene.

Cat. No.

Volume

CT-PAC255-10-OG

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns

202G

Abnormal Patterns

102G, 2G, 201G, 20,
101G, or others

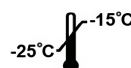
- 1) O'Connor C. *Nature Education*. 1(1):171 (2008).
- 2) Elenenai MO, et al. *Genes Chromosomes Cancer*. 36(1):99-106 (2003).
- 3) Stevens-Kroef M, et al. *Cancer Genet Cytogenet*. 195(2):97-104 (2009).
- 4) Konialis C, et al. *Hematology*. 19(4):217-24 (2014).
- 5) Creyten D, et al. *Virchows Arch*. 465(1):97-108 (2014).

* 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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