CytoTest®

Premium **FISH** for Quality of Lives

ENGLISH

For Professional Use Only

ETV6-RUNX1 Dual Fusion/Translocation FISH Probe Kit

Introduction

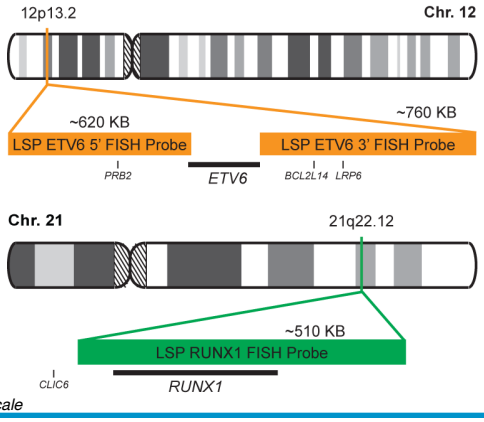
The ETV6-RUNX1 Fusion/Translocation FISH Probe Kit is designed to detect rearrangements involving the human ETV6 and RUNX1 genes located on chromosome bands 12p13.2 and 21q22.12, respectively. Rearrangements between the two genes, the ETV6 gene – also called TEL, THC5 or TEL/ABL – and the RUNX1 gene – also known as AML1, AML1-EVI-1, AMLCR1, CBFA2, EVI-1 or PEBP2aB, have been observed in B-cell acute lymphocytic leukemia (ALL) and other malignancies.

Intended Use

To detect rearrangements involving the human *ETV6* and *RUNX1* genes located on chromosome bands 12p13.2 and 21q22.12, respectively.

Cont.	Color
LSP ETV6 5'-3' FISH Probe	CytoOrange
LSP RUNX1 FISH Probe	CytoGreen

Probe Design



Not to Scale

LSP ETV6 5'-3' FISH Probe covers the 5' (start) and 3' (end) portion of the *ETV6* gene and some adjacent genomic sequences. LSP RUNX1 FISH Probe covers a chromosomal region which includes the entire *RUNX1* gene. The probe set is optimized to reveal translocations between the two gene regions.

Cat. No.	Volume
CT-PAC305-10-OG	10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns	Abnormal Patterns
2O2G	Other Patterns

1) Nucifora G & Rowley JD. *Blood*. 86(1):1-14 (1995).
2) Cleary ML. *Nat Genet*. 23(2):134-5 (1999).
3) Richkind K, et al. *Cancer Genet Cytogenet*. 122(2):141-3 (2000).
4) Michaud J, et al. *Blood*. 99(4):1364-72 (2002).
5) Mikhail FM, et al. *Cancer Genet Cytogenet*. 135(1):96-100 (2002).

-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.