

RUNX1-RUNX1T1 Fusion/Translocation FISH Probe Kit

Introduction

The RUNX1-RUNX1T1 Fusion/Translocation FISH Probe Kit is designed to detect rearrangements involving the human *RUNX1* and *RUNX1T1* genes located on chromosome bands 21q22.12 and 8q21.3, respectively. Rearrangements involving portions of these two genes, the *RUNX1* gene – also known as *AML1*, *AML1-EVI-1*, *AML1CR1*, *CBFA2*, *EVI-1* or *PEBP2aB* – and the *RUNX1T1* gene – also called *AML1-MTG8*, *AML1T1*, *CBFA2T1*, *CDR*, *ETO*, *MTG8* or *ZMYND2*, have been observed in acute non-lymphocytic leukemia and many other hematological malignancies.

Intended Use

To detect rearrangements involving the human *RUNX1* and *RUNX1T1* genes located on chromosome bands 21q22.12 and 8q21.3, respectively.

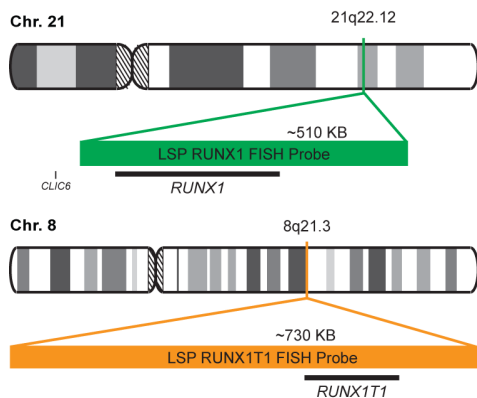
Cont.

LSP RUNX1 FISH Probe
LSP RUNX1T1 FISH Probe

Color

CytoGreen
CytoOrange

Probe Design



Not to Scale

LSP RUNX1 FISH Probe covers a chromosomal region which includes the entire *RUNX1* gene. LSP RUNX1T1 FISH Probe covers a chromosomal region which includes the entire *RUNX1T1* gene. The probe set is optimized to reveal translocations between the two gene regions.

Cat. No.

CT-PAC303-10-GO

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) 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).



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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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