

MNX1-ETV6 Dual Fusion/Translocation FISH Probe Kit

Introduction

The MNX1-ETV6 Dual Fusion/Translocation FISH Probe Kit is designed to detect rearrangements involving the human *MNX1* and *ETV6* genes, located on chromosome bands 7q36.3 and 15q25.3, respectively. *MNX1* is also known as *HB9*, *HLXB9*, *SCRA1* or *HOXHB9*. *ETV6* is also known as *TEL*, *THC5* or *TEL/ABL*. Rearrangements involving portions of these two genes have been observed in acute myeloid leukemia (AML) and many other predominantly myeloproliferative neoplasms.

Intended Use

To detect rearrangements between the human *MNX1* and *ETV6* genes, located on chromosome bands 7q36.3 and 15q25.3, respectively.

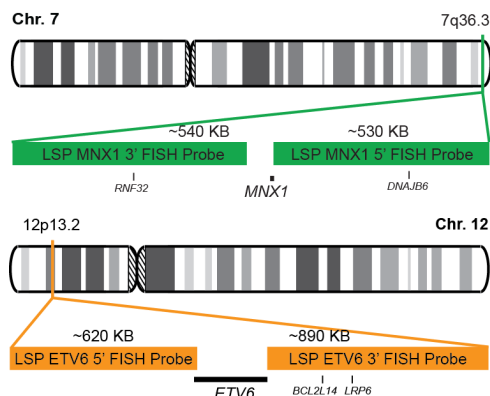
Cont.

Color

LSP MNX1 5'-3' FISH Probe
LSP ETV6 5'-3' FISH Probe

CytoGreen
CytoOrange

Probe Design



LSP MNX1 5'-3' FISH Probe covers the sequences adjacent to the 5' (start) end of the *MNX1* gene, and it also covers the neighboring downstream region of the 3' (end) part and the gene. LSP ETV6 5'-3' FISH Probe covers some genomic sequences upstream of the 5' (start) portion of the *ETV6* gene, and it also covers the sequences adjacent to the 3' end of the gene. The probe set is optimized to reveal translocations between the two regions.

Cat. No.

Volume

CT-PAC108-10-GO

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns

2O2G*

Abnormal Patterns

Other Patterns

*Overlapping orange and green signals can appear as yellow.

- 1) Park J, et al. *Cancer Genet Cytogenet.* 191(2):102-5 (2009).
- 2) Ballabio E, et al. *Leukemia.* 23(6):1179-82 (2009).
- 3) Harrison KA, et al. *J Biol Chem.* 269(31):19968-75 (1994).
- 4) Taketani T, et al. *Cancer Genet Cytogenet.* 186(2):115-9 (2008).
- 5) von Bergh ARM, et al. *Genes Chromosomes Cancer.* 45(8):731-9 (2006).

* 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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