

MN1-ETV6 Fusion/Translocation FISH Probe Kit

Introduction

The MN1-ETV6 Fusion/Translocation FISH Probe Kit is designed to detect rearrangements involving the human *MN1* and *ETV6* genes located on chromosome bands 22q12.1 and 12p13.2, respectively. Rearrangements between the two gene regions, the *MN1* gene – also known as *dJ353E16.2*, *MGCR1-PEN*, *MGCR1* or *MGCR* – and the *ETV6* gene – also called *EL*, *THC5* or *TEL/ABL*, have been observed in myelodysplastic syndrome (MDS), acute myeloid leukemia (AML) and other malignancies.

Intended Use

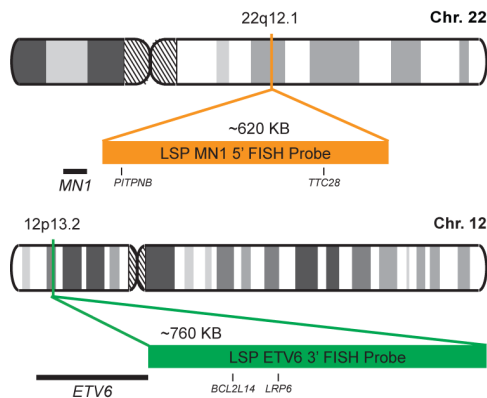
To detect rearrangements involving the human *MN1* and *ETV6* genes located on chromosome bands 22q12.1 and 12p13.2, respectively.

Cont.	Color
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LSP MN1 5' FISH Probe
LSP ETV6 3' FISH Probe

CytoOrange
CytoGreen

Probe Design



Not to Scale

LSP MN1 5' FISH Probe covers sequences adjacent to the 5' (start) portion of the *MN1* gene. LSP ETV6 3' FISH Probe covers the 3' (end) part as well as sequences downstream of the *ETV6* gene. The probe set is optimized to reveal translocations between the two gene regions.

Cat. No.	Volume
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CT-PAC113-10-OG

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns

2O2G*

Abnormal Patterns

Other Patterns

*Overlapping orange and green signals can appear as yellow.

- 1) Buijs A, et al. *Oncogene*. 10(8):1511-9 (1995).
- 2) Lekanne Deprez RH, et al. *Oncogene*. 10(8):1521-8 (1995).
- 3) Heuser M, et al. *Blood*. 110(5):1639-47 (2007).
- 4) Nofrini V, et al. *Leuk Res*. 35(7):e123-6 (2011).
- 5) Aref S, et al. *Hematology*. 18(5):277-83 (2013).



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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.