CytoTest®
Premium **FISH** for Quality of Lives

ENGLISH

For Professional Use Only

MN1-ETV6 Fusion/Translocation FISH Probe Kit

Introduction

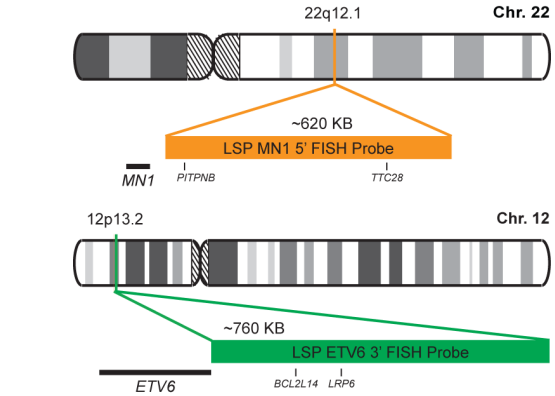
The MN1-ETV6 Fusion/Translocation FISH Probe Kit is designed to detect rearrangements involving the human MN1 and ETV6 genes located on chromosome bands 22q12.1 and 12p13.2, respectively. Rearrangements between the two gene regions, the MN1 gene – also known as dJ353E16.2, MGCR1-PEN, MGCR1 or MGCR – 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
LSP MN1 5' FISH Probe	CytoOrange
LSP ETV6 3' FISH Probe	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
CT-PAC113-10-OG	10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns	Abnormal Patterns
2O2G*	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).

-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.