

## 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.

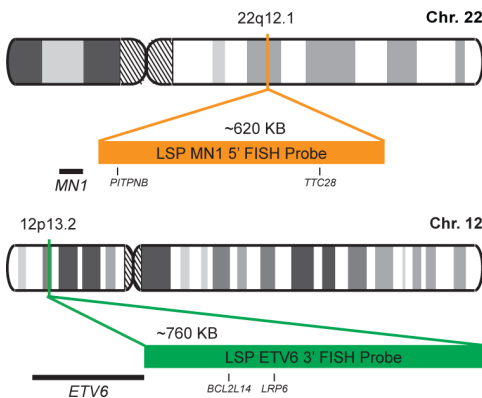
### Cont.

LSP MN1 5' FISH Probe  
LSP ETV6 3' FISH Probe

### Color

CytoOrange  
CytoGreen

### Probe Design



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.

CT-PAC113-10-OG

### Volume

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.

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