

RPN1-MECOM Dual Fusion/Translocation FISH Probe Kit

Introduction

The RPN1-MECOM Fusion/Translocation FISH Probe Kit is designed to detect rearrangements involving the human RPN1 and MECOM genes located on chromosome bands 3q21.3 and 3q26.2, respectively. Rearrangements between the two genes, the RPN1 gene – also known as OST1 or RBPH1 – and the MECOM gene – also called EVI1, MDS1, PRDM3, MDS1-EVI1 or AML1-EVI-1, have been observed in acute myeloid leukemias (AML) and other malignancies.

Intended Use

To detect rearrangements involving the human *RPN1* and *MECOM* genes located on chromosome bands 3q21.3 and 3q26.2, respectively.

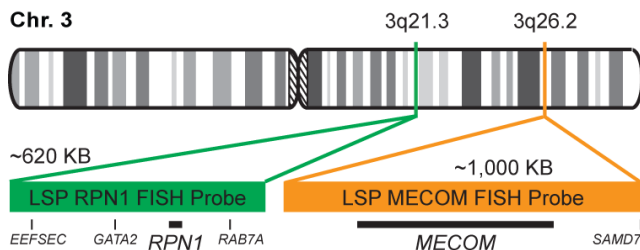
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Color

LSP RPN1 FISH Probe
LSP MECOM FISH Probe

CytoGreen
CytoOrange

Probe Design



LSP RPN1 FISH Probe covers a chromosomal region which includes the entire *RPN1* gene. LSP MECOM FISH Probe covers a chromosomal region which includes the entire *MECOM* gene. The probe set is optimized to reveal translocations between the two regions.

Cat. No.

Volume

CT-PAC094-10-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) O'Connor C. *Nature Education*. 1(1):171 (2008).
- 2) Ried T, et al. *Hum Mol Genet*. 7(10):1619-26 (1998).
- 3) Mark HF, et al. *Exp Mol Pathol*. 81(3):217-23 (2006).
- 4) Shearer BM, et al. *Am J Hematol*. 85(8):569-74 (2010).
- 5) De Braekeleer E, et al. *Anticancer Res*. 31(10):3441-8 (2011).

* 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.

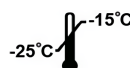
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