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

ENGLISH

For Professional Use Only

MECOM-RUNX1 Dual Fusion/Translocation FISH Probe Kit

Introduction

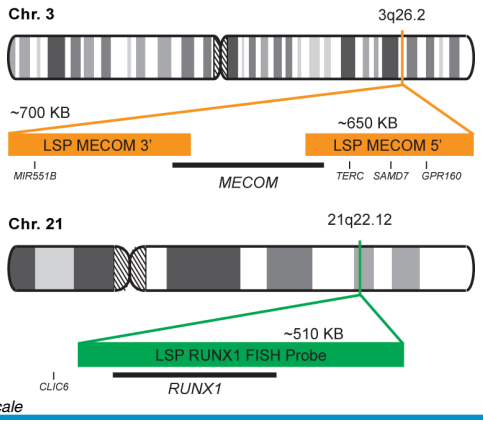
The MECOM-RUNX1 Fusion/Translocation FISH Probe Kit is designed to detect rearrangements involving the human *MECOM* and *RUNX1* genes located on chromosome bands 3q26.2 and 21q22.12, respectively. Fusion of *MECOM* – also known as *EVI1*, *MDS1*, *PRDM3*, *MDS1-EVI1* or *AML1-EVI-1* – with the *RUNX1* gene – also known as *AML1*, *AML1-EVI-1*, *AMLCR1*, *CBFA2*, *EVI-1* or *PEBP2aB* – has been observed in chronic myelogenous leukemia (CML), myelodysplastic syndrome (MDS), acute myeloid leukemia (AML) and other malignancies.

Intended Use

To detect rearrangements involving the human *MECOM* and *RUNX1* genes located on chromosome bands 3q26.2 and 21q22.12, respectively.

Cont.	Color
LSP MECOM 5'-3' FISH Probe	CytoOrange
LSP RUNX1 FISH Probe	CytoGreen

Probe Design



Not to Scale

LSP MECOM 5'-3' FISH Probe covers the 5' and 3' portion of the *MECOM* gene and some genomic sequences adjacent to the two ends of the gene. LSP RUNX1 FISH Probe covers a chromosomal region which includes the entire *RUNX1* gene.

Cat. No.	Volume
CT-PAC170-10-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) Coyle T & Najfeld V. *Am J Hematol*. 27(1):56-9 (1988).
2) Rubin CM, et al. *Blood*. 76(12):2594-8 (1990).
3) Poppe B, et al. *Genes Chromosomes Cancer*. 45(4):349-56 (2006).
4) Yin CC, et al. *Cancer*. 106(8):1730-8 (2006).
5) Lugthart S, et al. *J Clin Oncol*. 28(24):3890-8 (2010).

-25°C -15°C

CE 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.