

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.

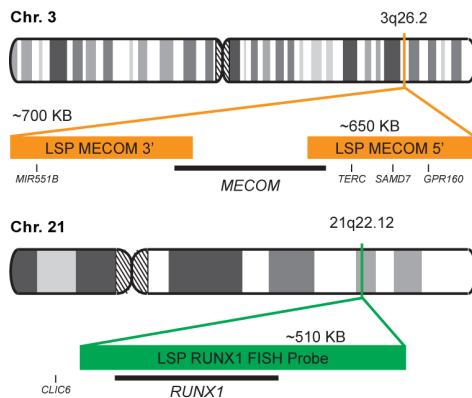
Cont.

Color

LSP MECOM 5'-3' FISH Probe
LSP RUNX1 FISH Probe

CytoOrange
CytoGreen

Probe Design



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

2O2G*

Abnormal Patterns

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) Lughart S, et al. *J Clin Oncol.* 28(24):3890-8 (2010).

* 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.