

KMT2A-MLLT10 Dual Fusion/Translocation FISH Probe Kit

Introduction

The KMT2A-MLLT10 Fusion/Translocation FISH Probe Kit is designed to detect rearrangements involving the human KMT2A and MLLT10 genes located on chromosome bands 11q23.3 and 10p12.31, respectively. Rearrangements between the two genes, the KMT2A gene – also known as HRX, MLL, MLL1, TRX1, ALL-1, CXXC7, HTRX1, MLL1A, WDST5, MLL/GAS7 or TET1-MLL – and the MLLT10 gene – also called AF10, have been observed in acute myeloid leukemia (AML) and other malignancies.

Intended Use

To detect rearrangements involving the human *KMT2A* and *MLLT10* genes located on chromosome bands 11q23.3 and 10p12.31, respectively.

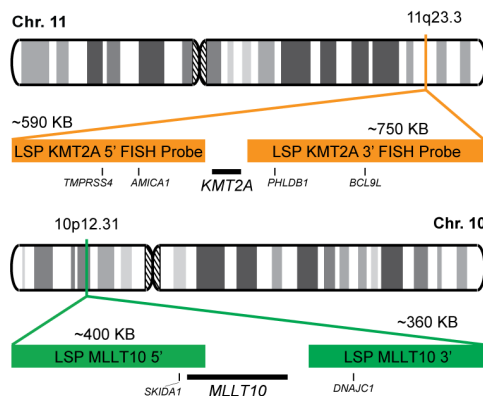
Cont.

Color

LSP KMT2A 5'-3' FISH Probe
LSP MLLT10 5'-3' FISH Probe

CytoOrange
CytoGreen

Probe Design



LSP KMT2A 5' FISH Probe covers some genomic sequences adjacent to the 5' (start) portion of the *KMT2A* gene. LSP KMT2A 3' FISH Probe covers the 3' (end) part as well as sequences downstream of the gene. LSP MLLT10 5' FISH Probe covers the 5' (start) portion of the *MLLT10* gene and some adjacent genomic sequences. LSP MLLT10 3' FISH Probe covers some sequences downstream of the 3' end of the gene. The probe set is optimized to reveal translocations between the two genes.

Cat. No.

Volume

CT-PAC490-10-OG

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns

202G

Abnormal Patterns

Other Patterns

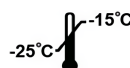
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- Dimartino JF & Cleary ML. *Br J Haematol*. 106(3):614-26 (1999).

* 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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