



For Professional Use Only

KMT2A-AFF1 Fusion/Translocation FISH Probe Kit

Introduction

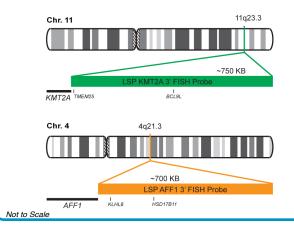
The KMT2A-AFF1 Fusion/Translocation FISH Probe Kit is designed to detect rearrangements involving the human KMT2A and AFF1 genes located on chromosome bands 11q23.3 and 4q21.3, respectively. Rearrangements between the two genes, the KMT2A gene – also known as HRX, MLL1, TRX1, ALL-1, CXXC7, HTRX1, MLL1A, WDSTS, MLL/GAS7 or TET1-MLL - and the AFF1 gene - also called AF4, PBM1 or MLLT2, have been observed in acute leukemias and other malignancies.

Intended Use

To detect rearrangements involving the human KMT2A and AFF1 genes located on genes located on 11q23.3 and 4q21.3, chromosome bands respectively.

Cont.	Color
LSP KMT2A 3' FISH Probe	CytoGreen
LSP AFF1 3' FISH Probe	CytoOrange

Probe Design



LSP KMT2A 3' FISH Probe covers the 3' (end) part as well as sequences downstream of the KMT2A gene. LSP AFF1 3' FISH Probe covers the 3' (end) part as well as sequences downstream of the AFF1 gene. The probe set is optimized to reveal translocations between the two genes.

Cat. No.	Volume
CT-PAC307-10-GO	10 Tests (100 μL)

Signal Pattern Interpretation

Normal Pattern Abnormal Pattern 20 + 2G* Other Patterns

*Overlapping orange and green signals can appear as yellow.

- 2) Young BD & Saha V. Cancer Surv. 28:225-45 (1996).
- 3) Bernard OA & Berger R. Genes Chromosomes Cancer. Jun;13(2):75-85 (1995).
- 4) Rubnitz JE, et al. Leukemia. 10(1):74-82 (1996).
- 5) Nilson I, et al. Br J Haematol. 98(1):157-69 (1997).



^{*} 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.

India Contact:

Life Technologies (India) Pvt. Ltd.

306, Aggarwal City Mall, Opposite M2K Pitampura, Delhi - 110034 (INDIA). Ph: +91-11-42208000, 42208111, 42208222, Mobile: +91-9810521400, Fax: +91-11-42208444 Email: customerservice@lifetechindia.com Website: www.lifetechindia.com

¹⁾ Gu Y, et al. Cell. 71(4):701-8 (1992).