

PML-RARA Dual Fusion/Translocation FISH Probe Kit

Introduction

The PML-RARA Fusion/Translocation FISH Probe Kit is designed to detect rearrangements involving the human PML and RARA genes, located on chromosome bands 15q24.1 and 17q21.2, respectively. Rearrangements between the two genes have been observed in acute promyelocytic leukemia and other malignancies.

Intended Use

To detect rearrangements involving the human *PML* and *RARA* genes located on chromosome bands 15q24.1 and 17q21.2, respectively.

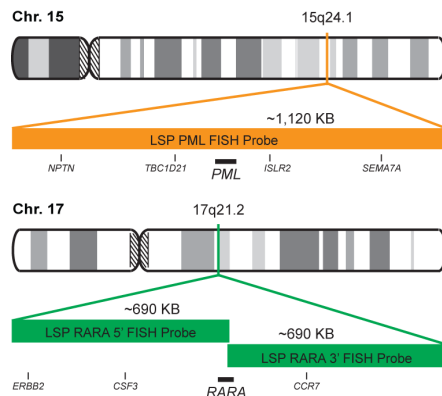
Cont.

Color

LSP PML FISH Probe
LSP RARA FISH Probe

CytoOrange
CytoGreen

Probe Design



LSP PML FISH Probe covers a chromosomal region which includes the entire *PML* gene and some sequences around the gene. LSP RARA 5'-3' FISH Probe covers a chromosomal region including the entire *RARA* gene and some sequences upstream (5' start) and downstream (3' end) of the gene. The probe set is optimized to reveal translocations between the two genes.

Cat. No.

Volume

CT-PAC304-10-OG

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns

2O2G*

Abnormal Patterns

Other Patterns

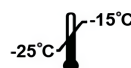
*Overlapping orange and green signals can appear as yellow.

- 1) Kakizuka A, et al. *Cell*. 66(4):663-74 (1991).
- 2) Nervi C, et al. *Cancer Res*. 52(13):3687-92 (1992).
- 3) Casini T, et al. *Int J Cancer*. 70(4):473-4 (1997).
- 4) Grimwade D. *Br J Haematol*. 106(3):591-613 (1999).
- 5) Melnick A & Licht JD. *Blood*. 93(10):3167-215 (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.

DCN032

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