

PCM1-JAK2 Dual Fusion/Translocation FISH Probe Kit

Introduction

The PCM1-JAK2 Fusion/Translocation FISH Probe Kit is designed to detect rearrangements involving the human *PCM1* and *JAK2* genes located on chromosome bands 8p22 and 9p24.1, respectively. Rearrangements involving portions of these two genes, the *PCM1* gene – also known as *JTK10* or *RET/PCM-1* – and the *JAK2* gene – also called *JTK10* – have been observed in some chronic (CML) and acute myeloid leukemias (AML), acute lymphoid leukemias (ALL), myelodysplastic syndrome (MDS), and other myeloid and lymphoid malignancies.

Intended Use

To detect rearrangements involving the human *PCM1* and *JAK2* genes located on chromosome bands 8p22 and 9p24.1, respectively.

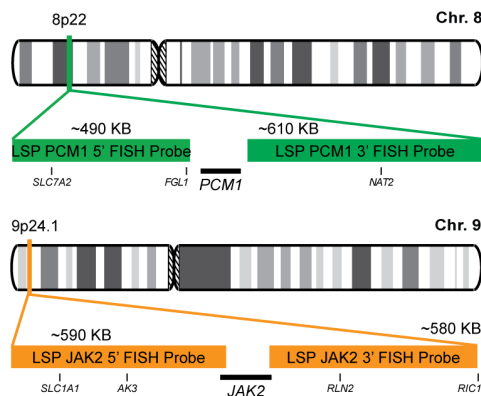
Cont.

Color

LSP PCM1 5'-3' FISH Probe
LSP JAK2 5'-3' FISH Probe

CytoGreen
CytoOrange

Probe Design



LSP PCM1 5'-3' FISH probe covers the 5' and 3' ends of the *PCM1* gene as well as adjacent genomic sequences. LSP JAK2 5'-3' probe covers the upstream and the downstream sequences adjacent to the 5' (start) and 3' (end) of the *JAK2* gene. The probe set is optimized to reveal translocations between the two genes.

Cat. No.

Volume

CT-PAC418-10-GO

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns

202G

Abnormal Patterns

Other Patterns

- 1) Reiter A, et al. *Cancer Res.* 65(7):2662-7 (2005).
- 2) Mahon FX, *Oncogene* 24(48):7125-6 (2005).
- 3) Murati A, et al. *Leukemia* 19(9):1692-6 (2005).
- 4) Adelaide J, et al. *Leukemia* 20(3):536-7 (2006).
- 5) Bousquet M & Brousset P. *Hum. Pathol.* 37(4):500 (2006).

* 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.

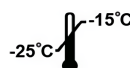
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