

NPM1-ALK Fusion/Translocation FISH Probe Kit

Introduction

The NPM1-ALK Fusion/Translocation FISH Probe Kit is designed to detect rearrangements involving the human *NPM1* and *ALK* genes located on chromosome bands 5q35.1 and 2p23.2, respectively. Rearrangements between the two genes, the *NPM1* gene – also called *B23* or *NPM* – and the *ALK* gene – also known as *CD246* or *NBLST3*, have been observed in anaplastic large cell lymphoma and other myeloid malignancies.

Intended Use

To detect rearrangements involving the human *NPM1* and *ALK* genes located on chromosome bands 5q35.1 and 2p23.2, respectively.

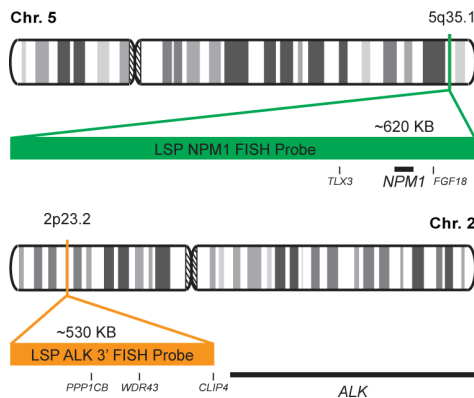
Cont.

LSP NPM1 FISH Probe
LSP ALK 3' FISH Probe

Color

CytoGreen
CytoOrange

Probe Design



Not to Scale

LSP NPM1 FISH Probe covers a chromosomal region which includes the entire *NPM1* gene and sequences upstream (5') of the gene. LSP ALK 3' FISH Probe covers some genomic sequences downstream (3') of the *ALK* gene. The probe set is optimized to reveal translocations between the two gene regions.

Cat. No.

CT-PAC075-10-GO

Volume

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Pattern

2O + 2G*

Abnormal Pattern

Other Patterns

*Overlapping orange and green signals can appear as yellow.

- 1) Morris SW, et al. *Science*. 263(5151):1281-4 (1994).
- 2) Yoneda-Kato N, et al. *Oncogene*. 12(2):265-75 (1996).
- 3) Redner RL, et al. *Blood*. 87(3):882-6 (1996).
- 4) Bischof D, et al. *Mol Cell Biol*. 17(4):2312-25 (1997).
- 5) Drexler HG, et al. *Leukemia*. 14(9):1533-59 (2000).



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* 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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