CytoTest®
Premium **FISH** for Quality of Lives

ENGLISH

For Professional Use Only

NPM1-ALK Fusion/Translocation FISH Probe Kit

Introduction

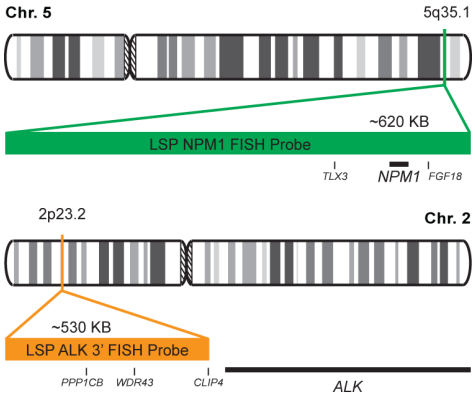
The NPM1-ALK Fusion/Translocation FISH Probe Kit is designed to detect rearrangements involving the human NPM1 and ALK genes located on chromosome bands 5q35.1 and 2p23.2, respectively. Rearrangements between the two genes, the NPM1 gene – also called B23 or NPM – and the ALK gene – also known as CD246 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.	Color
LSP NPM1 FISH Probe	CytoGreen
LSP ALK 3' FISH Probe	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.	Volume
CT-PAC075-10-GO	10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns	Abnormal Patterns
2O2G*	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).

-25°C -15°C CE IVD

CytoTest Inc.
1395 Piccard Drive, Suite 308
Rockville, MD 20850, USA

* 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.