

NPM1-ALK Dual Fusion/Translocation FISH Probe Kit

Introduction

The NPM1-ALK Dual 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.

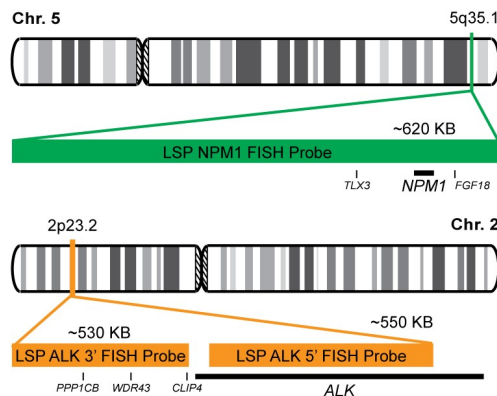
Cont.

LSP NPM1 FISH Probe
LSP ALK 5'-3' FISH Probe

Color

CytoGreen
CytoOrange

Probe Design



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

Cat. No.

CT-PAC494-10-GO

Volume

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns

202G

Abnormal Patterns

Other Patterns

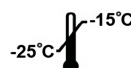
- 1) Morris SW, et al. *Science*. 263(5151):1281-4 (1994).
- 2) Yoneda-Kato N, et al. *Oncogene*. 12(2):265-75 (1996).
- 3) Redner RL, et al. *Blood*. 87(3):882-6 (1996).
- 4) Bischof D, et al. *Mol Cell Biol*. 17(4):2312-25 (1997).
- 5) Drexler HG, et al. *Leukemia*. 14(9):1533-59 (2000).

* 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

© CytoTest Inc.

www.cytotest.com



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

V2025.02.01

T-07-10-PAC494-GO-EN