

MYC Break Apart FISH Probe Kit

Introduction

The MYC Break Apart FISH Probe Kit is designed to detect rearrangements in the human MYC gene located on chromosome band 8q24.21. In addition to revealing breaks, which can lead to translocation of parts of the gene, inversion, or its fusion to other genes, the probe set can also be used to identify other MYC aberrations such as deletions or amplifications. Rearrangements and abnormal expression of the MYC gene – also known as MRT1, MYCC, c-Myc or bHLHe39 – have been observed in Burkitt's Lymphoma and other hematological malignancies, myeloma, as well as breast, cervical, colon, ovarian and other tumor types.

Intended Use

To detect rearrangements in the human MYC gene located on chromosome band 8q24.21.

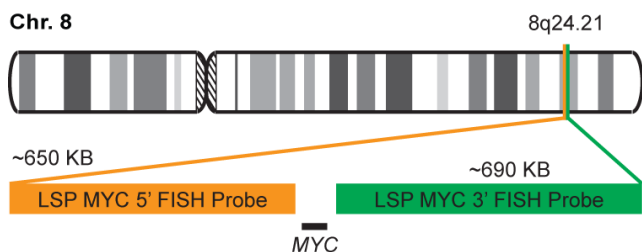
Cont.

Color

LSP MYC 5' FISH Probe
LSP MYC 3' FISH Probe

CytoOrange
CytoGreen

Probe Design



Not to Scale

LSP MYC 5' FISH Probe covers genomic sequences adjacent to the 5' (start) portion of the MYC gene. LSP MYC 3' FISH Probe covers sequences downstream the 3' end of the gene. The two probes are flanking sequences across the MYC gene in which variable breakpoints have been observed.

Cat. No.

Volume

CT-PAC208-10-OG

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns

2F*

Abnormal Patterns

Other Patterns

*Overlapping orange and green signals can appear as yellow.

1) Depinho RA, et al. *Ann Clin Res.* 1986;18(5-6):284-9 (1986).
2) Garte SJ. *Crit Rev Oncog.* 4(4):435-49 (1993).
3) Einerson RR, et al. *Leukemia.* 20:1790-9 (2006).
4) Le Gouill S, et al. *Haematologica.* 92(10):1335-42 (2007).
5) Blancato J, et al. *Br J Cancer.* 90(8):1612-9 (2004).

* 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.