

IGH-MYC/CCP8 Tri-color Fusion/Translocation FISH Probe Kit

Introduction

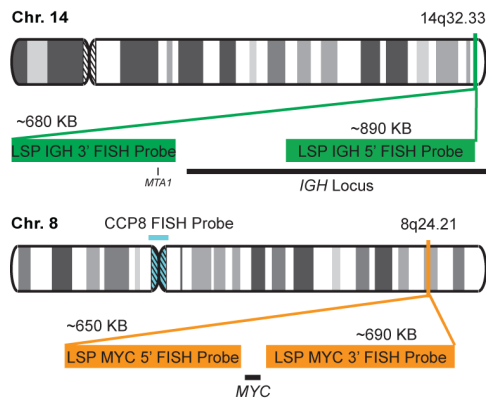
The IGH-MYC/CCP8 Tri-color Fusion/Translocation FISH Probe Kit is designed to detect rearrangements involving the human *IGH* locus and *MYC* gene, located on chromosome bands 14q32.33 and 8q24.21, respectively, along with the number of chromosome 8 copies per cell. Rearrangements between the two regions have been observed in Burkitt's Lymphoma (BL) and other lymphomas and leukemias.

Intended Use

To detect rearrangements involving the human *IGH* locus and *MYC* gene located on chromosome bands 14q32.33 and 8q24.21, respectively.

Cont.	Color
LSP IGH 5'-3' FISH Probe LSP MYC 5'-3' FISH Probe CCP8 FISH Probe	CytoGreen CytoOrange CytoAqua

Probe Design



LSP IGH 5'-3' FISH Probe covers the 5' and the center sequences of the *IGH* locus, and it also covers the 3' (end) part and the neighboring downstream region. LSP MYC 5'-3' FISH Probe covers some genomic sequences downstream of the 5' (start) portion of the *MYC* gene, and it also covers the sequences adjacent to the 3' end of the gene. CCP8 FISH Probe, derived from chromosome 8-specific alpha satellite DNA, is designed to determine the number of chromosome 8 copies per cell. The probe set is optimized to reveal translocations between the two regions around the *IGH* locus and the *MYC* gene.

Cat. No.	Volume
CT-PAC199-10-GOA	10 Tests (100 µL)

Signal Pattern Interpretation

Normal Pattern	Abnormal Pattern
2O + 2G + 2A*	Other Patterns

*Overlapping orange and green signals can appear as yellow.

- 1) Depinho RA, et al. *Ann Clin Res.* 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).

