

## IGH-MYC Dual Fusion/Translocation LR FISH Probe Kit

### Introduction

The IGH-MYC Dual Fusion/Translocation LR (long-range) FISH Probe Kit is designed to detect rearrangements involving the human IGH and MYC genes, located on chromosome bands 14q32.33 and 8q24.21, respectively. IGH is also known as IGD1, IGH@, IGHJ, IGHV, IGHD@, IGJHJ, IGHV@, IGH.1@ or IGHDY1 and MYC is also known as MRTL, MYCC, c-Myc or bHLHe39. Rearrangements involving portions of these two genes have been observed in several B-cell lymphoma subtypes, especially Burkitt lymphoma, and other malignancies.

### Intended Use

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

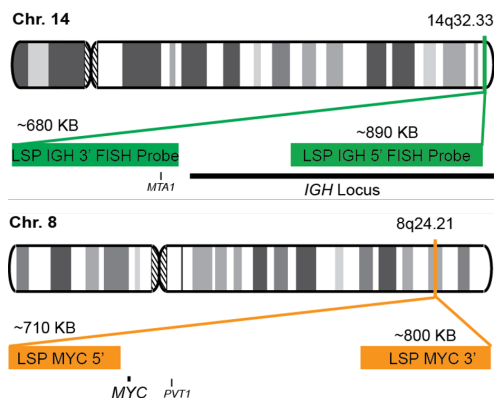
### Cont.

### Color

LSP IGH 5'-3' FISH Probe  
LSP MYC 5'-3' LR FISH Probe

CytoGreen  
CytoOrange

### 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' LR FISH Probe covers some genomic sequences upstream of the 5' (start) portion of the *MYC* gene, and it also covers the sequences further downstream to the 3' end of the gene. The probe set is optimized to reveal translocations between the two regions.

### Cat. No.

### Volume

CT-PAC367-10-GO

10 Tests (100 µL)

### Signal Pattern Interpretation

#### Normal Patterns

202G

#### Abnormal Patterns

Other Patterns

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) 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.