

# IGH-MYC Fusion/Translocation FISH Probe Kit

## Introduction

The IGH-MYC 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. Rearrangements between the two regions have been observed in Burkitt's Lymphoma (BL) and other lymphomas and leukemias.

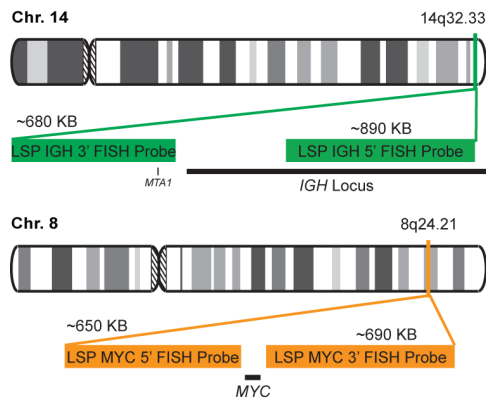
## Intended Use

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	CytoGreen CytoOrange
--	-------------------------

## Probe Design



Not to Scale

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. The probe set is optimized to reveal translocations between the two regions.

Cat. No.	Volume
----------	--------

CT-PAC223-10-GO	10 Tests (100 µL)
-----------------	-------------------

## Signal Pattern Interpretation

<u>Normal Pattern</u> 2O + 2G*	<u>Abnormal Pattern</u> 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).



CytoTest Inc.  
9430 Key West Ave., Suite 210  
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.

### India Contact:

### Life Technologies (India) Pvt. Ltd.

306, Aggarwal City Mall, Opposite M2K Pitampura, Delhi – 110034 (INDIA). Ph: +91-11-42208000, 42208111, 42208222, Mobile: +91-9810521400, Fax: +91-11-42208444  
Email: [customerservice@lifetechindia.com](mailto:customerservice@lifetechindia.com) Website: [www.lifetechindia.com](http://www.lifetechindia.com)