

BCL6 Break Apart FISH Probe Kit

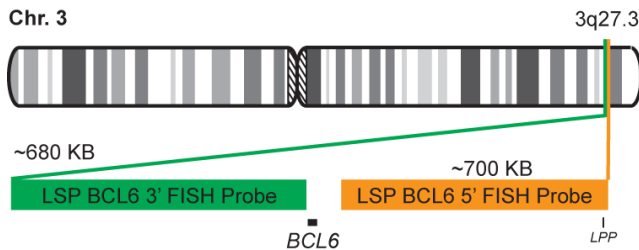
Introduction

The BCL6 Break Apart FISH Probe Kit is designed to detect rearrangements in the human *BCL6* gene located on chromosome band 3q27.3. 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 *BCL6* aberrations such as deletions or amplifications. Rearrangements of the *BCL6* gene – also known as *BCL5*, *LAZ3*, *BCL6A*, *ZNF51* or *ZBTB27* – have been observed in B-cell lymphomas and leukemias. *BCL6* is also dysregulated in multiple myeloma cases and several solid tumor types. More than 30 different translocation partner genes have been described.

| Intended Use |
|---|
| To detect rearrangements in the human <i>BCL6</i> gene located on chromosome band 3q27.3. |

| Cont. | Color |
|--|-------------------------|
| LSP BCL6 5' FISH Probe LSP BCL6 3' FISH Probe | CytoOrange CytoGreen |

Probe Design



LSP BCL6 5' FISH Probe covers some genomic sequences adjacent to the 5' end of the *BCL6* gene. LSP BCL6 3' FISH Probe covers some sequence downstream of the 3' end of the gene. The two probes are flanking sequences across the *BCL6* gene in which variable breakpoints have been observed.

Not to Scale

| Cat. No. | Volume |
|-----------------|-------------------|
| CT-PAC207-10-OG | 10 Tests (100 µL) |

| Signal Pattern Interpretation | |
|---|---|
| <u>Normal Pattern</u> 2OG* | <u>Abnormal Pattern</u> Other Patterns |
| *Overlapping orange and green signals can appear as yellow. | |

- 1) Chao DT & Korsmeyer SJ. *Annu Rev Immunol.* 16:395-419 (1998).
- 2) Shaffer AL, et al. *Immunity.* 13(2):199-212 (2000).
- 3) Migliazza A, et al. *Proc Natl Acad Sci U S A.* 92(26):12520-4 (1995).
- 4) Horn H, et al. *Blood.* 121(12):2253-63 (2013).
- 5) Duy C, et al. *Nature.* 473(7347):384-8 (2011).



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 Website: www.lifetechindia.com