

## 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 *BCL6* gene located on chromosome band 3q27.3.

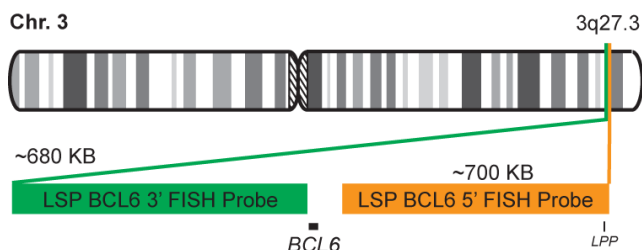
### Cont.

### Color

LSP BCL6 5' FISH Probe  
LSP BCL6 3' FISH Probe

CytoOrange  
CytoGreen

### Probe Design



Not to Scale

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.

### Cat. No.

### Volume

CT-PAC207-10-OG

10 Tests (100 µL)

### Signal Pattern Interpretation

#### Normal Patterns

2F\*

#### Abnormal Patterns

1F1O1G, 2O2G,  
or others

\*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).

\* 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.