

## BCL2 Break Apart FISH Probe Kit

### Introduction

The BCL2 Break Apart FISH Probe Kit is designed to detect rearrangements in the human *BCL2* gene located on chromosome band 18q21.33. 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 *BCL2* aberrations such as deletions or amplifications. Rearrangements and abnormal expression of the *BCL2* gene – also known as *Bcl-2* or *PPP1R50* – is routinely found in follicular lymphoma but also occurs in many other hematological and solid cancer types. One particularly common rearrangement is a reciprocal translocation to the *IGH@* locus on chromosome 14.

### Intended Use

To detect rearrangements in the human *BCL2* gene located on chromosome band 18q21.33.

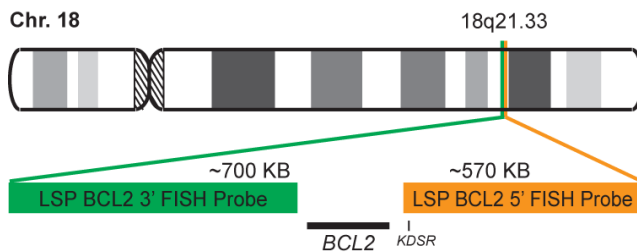
### Cont.

LSP BCL2 5' FISH Probe  
LSP BCL2 3' FISH Probe

### Color

CytoOrange  
CytoGreen

### Probe Design



LSP BCL2 5' FISH Probe covers sequences adjacent to the 5' (start) portion of the *BCL2* gene. LSP BCL2 3' FISH Probe covers some sequences downstream (3' end) of the gene. The two probes are flanking sequences across the *BCL2* gene in which variable breakpoints have been observed.

Not to Scale

### Cat. No.

CT-PAC206-10-OG

### Volume

10 Tests (100 µL)

### Signal Pattern Interpretation

#### Normal Pattern

2OG\*

#### Abnormal Pattern

Other Patterns

\*Overlapping orange and green signals can appear as yellow.

- 1) Chao DT & Korsmeyer SJ. *Annu Rev Immunol.* 16:395-419 (1998).
- 2) Willis TG & Dyer MJ. *Blood.* 96(3):808-22 (2000).
- 3) Ngan BY, et al. *N Engl J Med.* 318(25):1638-44 (1988).
- 4) Einerson RR, et al. *Am J Clin Pathol.* 124(3):421-9 (2005).
- 5) Vaandrager JW, et al. *Genes Chromosomes Cancer.* 27(1):85-94 (2000).



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\* 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.

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