

## BCL3 Break Apart FISH Probe Kit

### Introduction

The BCL3 Break Apart FISH Probe Kit is designed to detect rearrangements in the human BCL3 gene located on chromosome band 19q13.32. 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 BCL3 aberrations such as deletions or amplifications. Rearrangements and abnormal expression of the BCL3 gene – also known as D19S37 or BCL4 – have been observed in chronic lymphocytic leukaemia (CLL), small lymphocytic lymphoma (SLL), acute myeloid leukemia (AML) and other malignancies.

### Intended Use

To detect rearrangements in the human *BCL3* gene located on chromosome band 19q13.32.

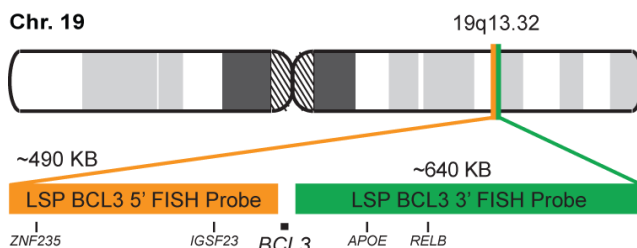
### Cont.

### Color

LSP BCL3 5' FISH Probe  
LSP BCL3 3' FISH Probe

CytoOrange  
CytoGreen

### Probe Design



LSP BCL3 5' FISH Probe covers some genomic sequences adjacent to the 5' end of the *BCL3* gene. LSP BCL3 3' FISH Probe covers some sequence downstream of the 3' end of the gene. The two probes are flanking sequences across the *BCL3* gene in which variable breakpoints have been observed.

Not to Scale

### Cat. No.

### Volume

CT-PAC186-10-OG

10 Tests (100 µL)

### Signal Pattern Interpretation

#### Normal Patterns

2F\*

#### Abnormal Patterns

Other Patterns

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

1) Franzoso G, et al. *Nature*. 359(6393):339-42 (1992).  
2) Neumann M, et al. *Blood*. 95(1):277-85 (2000).  
3) Fransen K, et al. *Hum Mol Genet*. 19(17):3482-8 (2010).  
4) Wakefield A, et al. *Cancer Res*. 73(2):745-55 (2013).  
5) Ahlqvist K, et al. *Oncogene*. 32(12):1601-8 (2013).

\* 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.