

## BCR-ABL1 Dual Fusion/Translocation FISH Probe Kit

### Introduction

The BCR-ABL1 Fusion/Translocation FISH Probe Kit is designed to detect rearrangements involving the human BCR and ABL1 genes located on chromosome bands 22q11.23 and 9q34.12, respectively. A reciprocal translocation between the two genes is present in virtually all cases of chronic myelocytic leukemia (CML), but also occurs in a subset of pediatric and adult acute lymphocytic leukemias (ALL), acute myelogenous leukemia (AML) and other malignancies.

### Intended Use

To detect rearrangements involving the human *BCR* and *ABL1* genes located on chromosome bands 22q11.23 and 9q34.12, respectively.

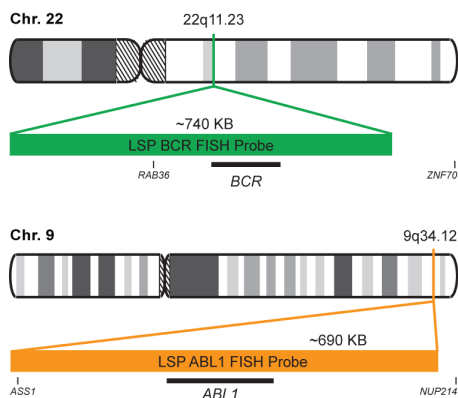
### Cont.

### Color

LSP BCR FISH Probe  
LSP ABL1 FISH Probe

CytoGreen  
CytoOrange

### Probe Design



LSP BCR FISH Probe covers the entire *BCR* gene along with some upstream (5') and downstream (3') flanking untranslated genomic sequences; the probe overlaps the known major and minor breakpoints observed in the region. LSP ABL1 FISH Probe spans the complete *ABL1* gene, including the common breakpoint region upstream of exon 2, as well as adjacent 5' and 3' untranslated genomic sequences. The probe set is optimized to reveal the typical t(9;22)(q34;q11) translocation as well as other translocations between the two genes in metaphase and interphase blood or bone marrow cells.

### Cat. No.

### Volume

CT-PAC302-10-GO

10 Tests (100 µL)

### Signal Pattern Interpretation

#### Normal Patterns

2O2G\*

#### Abnormal Patterns

Other Patterns

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

1) Ernst T, et al. *Hematol Oncol Clin North Am.* 25(5):997-1008, v-vi (2011).  
2) Nowell PC, Hungerford DA. *J Natl Cancer Inst.* 25:85-109 (1960).  
3) Rowley JD. *Nature.* 243(5405):290-3 (1973).  
4) Landstrom AP & Tefferi A. *Leuk Lymphoma.* 47(3):397-402 (2006).  
5) Druker BJ, et al. *N Engl J Med.* 355(23):2408-17 (2006).

\* 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.