

## MYH11 Break Apart FISH Probe Kit

### Introduction

The MYH11 Break Apart FISH Probe Kit is designed to detect rearrangements in the human *MYH11* gene located on chromosome band 16p13.11. 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 *MYH11* aberrations such as deletions or amplifications. Rearrangements and abnormal expression of the *MYH11* gene – also known as *AAT4*, *FAA4*, *SMHC* or *SMMHC* – have been observed in acute non-lymphocytic leukemias and other malignancies.

### Intended Use

To detect rearrangements in the human *MYH11* gene located on chromosome band 16p13.11.

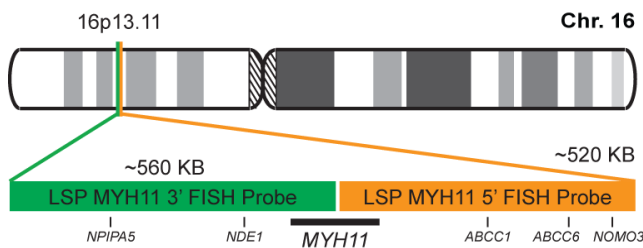
### Cont.

LSP MYH11 5' FISH Probe  
LSP MYH11 3' FISH Probe

### Color

CytoOrange  
CytoGreen

### Probe Design



Not to Scale

LSP MYH11 5' FISH Probe covers the 5' (start) portion of the *MYH11* gene and some adjacent genomic sequences. LSP MYH11 3' FISH Probe covers the 3' (end) part as well as sequences downstream of the gene. The two probes are flanking sequences across the *MYH11* gene in which variable breakpoints have been observed.

### Cat. No.

CT-PAC211-10-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) O'Connor C. *Nature Education*. 1(1):171 (2008).
- 2) Ried T, et al. *Hum Mol Genet*. 7(10):1619-26 (1998).
- 3) Liu P, et al. *Blood*. 82(3):716-21 (1993).
- 4) van der Reijden BA, et al. *Blood*. 82(10):2948-52 (1993).

\* 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.