

## MALT1 Break Apart FISH Probe Kit

### Introduction

The MALT1 Break Apart FISH Probe Kit is designed to detect rearrangements in the human MALT1 gene located on chromosome band 18q21.32. 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 MALT1 aberrations such as deletions or amplifications. Rearrangements and abnormal expression of the MALT1 gene – also known as MLT, MLT1 or IMD12 – have been observed in B-cell lymphomas and other malignancies.

### Intended Use

To detect rearrangements in the human *MALT1* gene located on chromosome band 18q21.32.

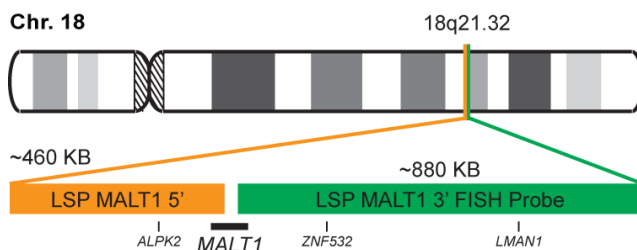
### Cont.

### Color

LSP MALT1 5' FISH Probe  
LSP MALT1 3' FISH Probe

CytoOrange  
CytoGreen

### Probe Design



Not to Scale

LSP MALT1 5' FISH Probe covers the 5' (start) portion of the *MALT1* gene and some adjacent genomic sequences. LSP MALT1 3' FISH Probe covers the 3' (end) part as well as sequences downstream of the gene. The two probes are flanking sequences across the *MALT1* gene in which variable breakpoints have been observed.

### Cat. No.

### Volume

CT-PAC202-10-OG

10 Tests (100 µL)

### Signal Pattern Interpretation

#### Normal Patterns

2F\*

#### Abnormal Patterns

Other Patterns

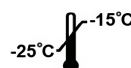
\*Overlapping orange and green signals can appear as yellow.

- 1) Dierlamm J, et al. *Blood*. 93(11):3601-9 (1999).
- 2) Maes B, et al. *Ann Oncol*. 11(5):521-6 (2000).
- 3) Dierlamm J, et al. *Blood*. 96(6):2215-8 (2000).
- 4) Baens M, et al. *Genes Chromosomes Cancer*. 29(4):281-91 (2000).
- 5) Uren AG, et al. *Mol Cell*. 6(4):961-7 (2000).

\* 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.

DCN032

© CytoTest Inc.



CytoTest Inc.  
1395 Piccard Drive, Suite 308  
Rockville, MD 20850, USA