

## MECOM Tri-color Break Apart FISH Probe Kit

### Introduction

The MECOM Tri-color Break Apart FISH Probe Kit is designed to detect rearrangements in the human MECOM locus located on chromosome band 3q26.2. 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 MECOM aberrations such as deletions or amplifications. Rearrangements and abnormal expression of the MECOM gene – also known as EVI1, MDS1, PRDM3, MDS1-EVI1 or AML1-EVI-1 – have been observed in acute and chronic myelogenous leukemias, Myelodysplastic Syndrome (MDS) and other malignancies.

### Intended Use

To detect rearrangements in the human *MECOM* gene located on chromosome band 3q26.2.

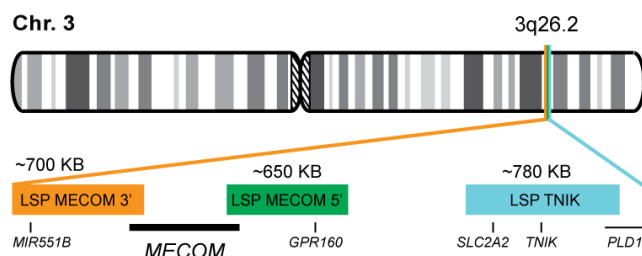
### Cont.

LSP MECOM 5' FISH Probe  
LSP MECOM 3' FISH Probe  
LSP TNIK FISH Probe

### Color

CytoGreen  
CytoOrange  
CytoAqua

### Probe Design



Not to Scale

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

### Cat. No.

CT-PAC496-10-GOA

### Volume

10 Tests (100 µL)

### Signal Pattern Interpretation

#### Normal Patterns

2O2G2A

#### Abnormal Patterns

Other Patterns

- 1) Wieser R, et al. *Haematologica*. 88(1):25-30 (2003).
- 2) Nonet GH, et al. *Cancer Res*. 2001 Feb 15;61(4):1250-4 (2001).
- 3) Poppe B, et al. *Genes Chromosomes Cancer*. 45(4):349-56 (2006).
- 4) Yin CC, et al. *Cancer*. 106(8):1730-8 (2006).
- 5) Bobadilla D, et al. *Br J Haematol*. 136(6):806-13 (2007).

\* 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