

## TP53/MPO FISH Probe Kit

### Introduction

The TP53/MPO FISH Probe Kit is designed to detect rearrangements involving the human TP53 and MPO genes, located on chromosome bands 17p13.1 and 17q22, respectively. Abnormalities in both genes, the TP53 gene – also known as P53, BCC7, LFS1 or TRP53 – and the MPO gene, have been reported in a number of leukemia types and other malignancies.

### Intended Use

To measure the copy number of the human *TP53* and *MPO* genes located on chromosome bands 17p13.1 and 17q22, respectively.

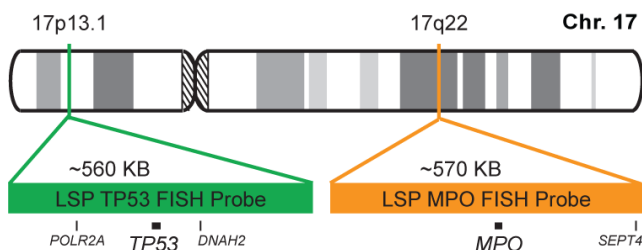
### Cont.

### Color

LSP TP53 FISH Probe  
LSP MPO FISH Probe

CytoGreen  
CytoOrange

### Probe Design



LSP TP53 FISH Probe covers a chromosomal region which includes the entire *TP53* gene. LSP MPO FISH Probe covers a chromosomal region including the entire *MPO* gene.

Not to Scale

### Cat. No.

### Volume

CT-PAC175-10-GO

10 Tests (100 µL)

### Signal Pattern Interpretation

#### Normal Patterns

202G

#### Abnormal Patterns

Other Patterns

- 1) Becher R, et al. *Blood*. 75(8):1679-83 (1990).
- 2) Fioretos T, et al. *Blood*. 94(1):225-32 (1999).
- 3) Vogelstein B, et al. *Nature*. 408(6810):307-10 (2000).
- 4) Soussi T & Bérout C. *Nat Rev Cancer*. 1(3):233-40 (2001).
- 5) Olivier M, et al. *Cancer Res*. 63(20):6643-50 (2003).

\* 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.

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