

# TP53/ATM FISH Probe Kit

## Introduction

The TP53/ATM FISH Probe Kit is designed to detect rearrangements involving the human *TP53* and *ATM* genes, located on chromosome bands 17p13.1 and 11q22.3, respectively. Abnormalities in both genes, the *TP53* gene – also known as *P53*, *BCC7*, *LFS1* or *TRP53* – and the *ATM* gene – also called *AT1*, *ATA*, *ATC*, *ATD*, *ATE*, *ATDC*, *TEL1* or *TELO1*, have been reported in a number of leukemia types and other malignancies.

## Intended Use

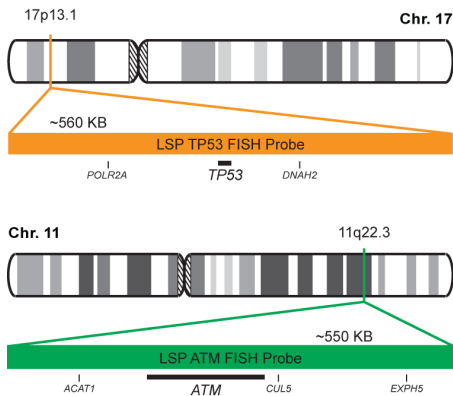
To measure the copy number of the human *TP53* and *ATM* genes located on chromosome bands 17p13.1 and 11q22.3, respectively.

Cont.	Color
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LSP TP53 FISH Probe  
LSP ATM FISH Probe

CytoOrange  
CytoGreen

## Probe Design



Not to Scale

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

Cat. No.	Volume
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CT-PAC106-10-OG

10 Tests (100 µL)

## Signal Pattern Interpretation

Normal Pattern  
2O + 2G

Abnormal Pattern  
Other Patterns

- 1) Varley JM, et al. *Br J Cancer*. 76(1):1-14 (1997).
- 2) Vogelstein B, et al. *Nature*. 408(6810):307-10 (2000).
- 3) Soussi T & Bérout C. *Nat Rev Cancer*. 1(3):233-40 (2001).
- 4) Olivier M, et al. *Cancer Res*. 63(20):6643-50 (2003).
- 5) Petitjean A, et al. *Oncogene*. 26(15):2157-65 (2007).



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\* 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.