

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.

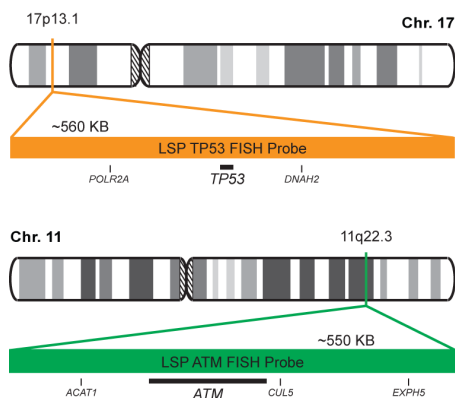
Cont.

Color

LSP TP53 FISH Probe
LSP ATM FISH Probe

CytoOrange
CytoGreen

Probe Design



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

CT-PAC106-10-OG

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns

202G

Abnormal Patterns

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).

* 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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