

## NF1/TP53 FISH Probe Kit

### Introduction

The NF1/TP53 FISH Probe Kit is designed to detect the human *NF1* gene, located on chromosomes band 17q11.2, and the *TP53* gene on chromosome band 17p13.1. Heritable loss of the *NF1* gene – also known as *WSS*, *NFNS* or *VRNF* – can cause neurofibromatosis type I, somatic loss or mutations of the gene have been found in AML and various other cancer types. Deletions or mutations of the *TP53* gene – also known as *P53*, *BCC7*, *LFS1*, *BMFS5* or *TRP53* – occur in a wide range of human hematological and other cancers.

### Intended Use

To detect the human *NF1* gene, located on chromosomes band 17q11.2, and the *TP53* gene on chromosome band 17p13.1.

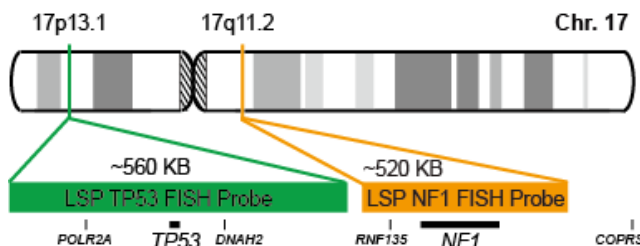
### Cont.

LSP NF1 FISH Probe  
LSP TP53 FISH Probe

### Color

CytoOrange  
CytoGreen

### Probe Design



Not to Scale

LSP TP53 FISH Probe covers a chromosomal region which includes the *TP53* gene and some genomic sequences adjacent to the gene. LSP NF1 FISH Probe covers a chromosomal region which includes the entire *NF1* gene.

### Cat. No.

CT-PAC411-10-OG

### Volume

10 Tests (100 µL)

### Signal Pattern Interpretation

#### Normal Patterns

202G

#### Abnormal Patterns

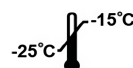
Other Patterns

- 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) Shannon, KM, et al. *N. Engl. J. Med*. 330(9):597-601 (1994).
- 5) Wimmer, K, et al. *Genes Chromosomes Cancer* 45(3):265-76 (2006).

\* 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

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