

## COL1A1-PDGFB Dual Fusion/Translocation FISH Probe Kit

### Introduction

The COL1A1-PDGFB Fusion/Translocation FISH Probe Kit is designed to detect rearrangements involving the human COL1A1 and PDGFB genes located on chromosome bands 17q21.33 and 22q13.1, respectively. Rearrangements between the two genes, the COL1A1 gene – also known as OI4 – and the PDGFB gene – also called IBGC5, PDGF-2, PDGF2, SIS, SSV or c-sis, have been observed in dermatofibrosarcoma protuberans (DFSP) and some other tumor types.

### Intended Use

To detect rearrangements involving the human *COL1A1* and *PDGFB* genes located on chromosome bands 17q21.33 and 22q13.1, respectively.

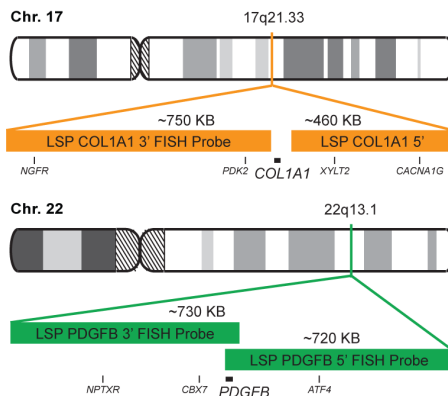
### Cont.

### Color

LSP COL1A1 5'-3' FISH Probe  
LSP PDGFB 5'-3' FISH Probe

CytoOrange  
CytoGreen

### Probe Design



Not to Scale

LSP COL1A1 5'-3' FISH Probe covers some sequences upstream (5' start) and downstream (3' end) of the *COL1A1* gene. LSP PDGFB 5'-3' FISH Probe covers sequences upstream and downstream of the start (5') and the end (3') portions of the *PDGFB* gene, respectively. The probe set is optimized to reveal translocations between the two regions.

### Cat. No.

### Volume

CT-PAC066-10-OG

10 Tests (100 µL)

### Signal Pattern Interpretation

#### Normal Patterns

2O2G\*

#### Abnormal Patterns

Other Patterns

\*Overlapping orange and green signals can appear as yellow.

1) Pedetour F, et al. *Cytogenet Cell Genet.* 72(2-3):171-4 (1996).  
2) Greco A, et al. *Oncogene.* 17(10):1313-9 (1998).  
3) O'Brien KP, et al. *Genes Chromosomes Cancer.* 23(2):187-93 (1998).  
4) Wang J, et al. *Diagn Mol Pathol.* 8(3):113-9 (1999).  
5) Simon MP, et al. *Oncogene.* 20(23):2965-75 (2001).

\* 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.