

COL1A1-PDGFB 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 *O14* – 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.

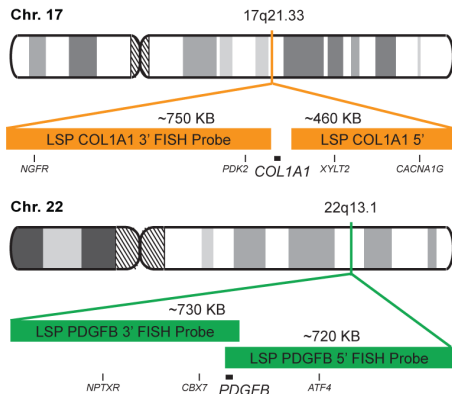
Intended Use

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

Cont.	Color
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LSP COL1A1 5'-3' FISH Probe	CytoOrange CytoGreen
LSP PDGFB 5'-3' FISH Probe	

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
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CT-PAC066-10-OG	10 Tests (100 µL)
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Signal Pattern Interpretation

Normal Patterns	Abnormal Patterns
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2O2G*	Other Patterns
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*Overlapping orange and green signals can appear as yellow.

- 1) Pedoutour 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.



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