CytoTest®
Premium **FISH** for Quality of Lives

ENGLISH

For Professional Use Only

PDGFB Break Apart FISH Probe Kit

Introduction

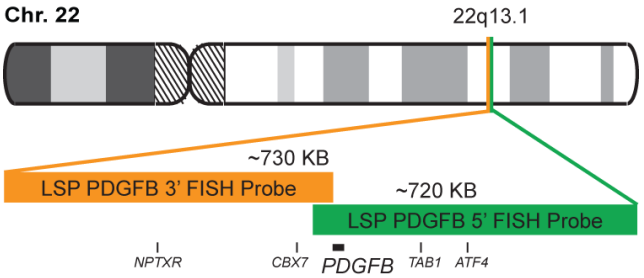
The PDGFB Break Apart FISH Probe Kit is designed to detect rearrangements in the human PDGFB gene located on chromosome band 22q13.1. In addition to revealing breaks, which can lead to translocation of parts of the gene, inversion, or its fusion to other genes, the probe set can also be used to identify other PDGFB aberrations such as deletions or amplifications. Rearrangements and abnormal expression of the PDGFB gene – also known as CRL2, TSLPR or CRLF2Y – have been observed in dermatofibrosarcoma protuberans (DFSP) and some other tumor types.

Intended Use

To detect rearrangements in the human *PDGFB* gene located on chromosome band 22q13.1.

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

Probe Design



Not to Scale

LSP PDGFB 5’ FISH Probe covers the *PDGFB* gene and some sequences upstream of the 5’ end. LSP PDGFB 3‘ FISH Probe covers the gene as well as sequences downstream (3’ end) of the gene. The two probes are flanking an area across the *PDGFB* gene in which various breakpoints have been observed.

Cat. No.	Volume
CT-PAC090-10-GO	10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns	Abnormal Patterns
2F*	Other Patterns

*Overlapping orange and green signals can appear as yellow.

1) Pedeutour F, et al. *Cytogenet Cell Genet*. 72(2-3):171-4 (1996).
2) Simon MP, et al. *Nat Genet*. 15(1):95-8 (1997).
3) Greco A, et al. *Oncogene*. 17(10):1313-9 (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).

-25°C -15°C CE IVD

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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.