CYTOTEST®

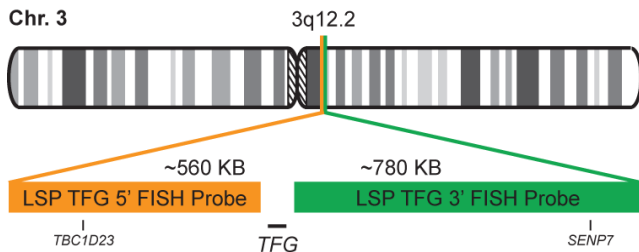Premium **FISH** for Quality of Lives

TFG Break Apart FISH Probe Kit

Introduction

The TFG Break Apart FISH Probe Kit is designed to detect rearrangements in the human *TFG* gene located on chromosome band 3q12.2. 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 *TFG* aberrations such as deletions or amplifications. Rearrangements and abnormal expression of the *TFG* gene – also known as *TF6*, *HMSNP*, *SPG57* or *TRKT3* – have been observed in anaplastic large cell lymphoma, thyroid papillary carcinoma, extraskeletal myxoid chondrosarcoma, renal cell carcinoma and other cancer types.

Intended Use

To detect rearrangements in the human *TFG* gene located on chromosome band 3q12.2.

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

Probe Design

Not to Scale

LSP TFG 5' FISH Probe covers some genomic sequences adjacent to the 5' (start) portion of the *TFG* gene. LSP TFG 3' FISH Probe covers some sequences downstream of the 3' end of the gene. The two probes are flanking sequences across the *TFG* gene in which various breakpoints have been observed.

Cat. No.	Volume
CT-PAC042-10-OG	10 Tests (100 µL)

Signal Pattern Interpretation

Normal Pattern	Abnormal Pattern
2OG*	Other Patterns

*Overlapping orange and green signals can appear as yellow.

1) Greco A, et al. *Mol Cell Biol.* 15(11):6118-27 (1995).
2) Mencinger M, et al. *Genomics.* 41(3):327-31 (1997).
3) Hernández L, et al. *Blood.* 94(9):3265-8 (1999).
4) Hernández L, et al. *Am J Pathol.* 160(4):1487-94 (2002).
5) Hisaoka M, et al. *Genes Chromosomes Cancer.* 40(4):325-8 (2004).

-15°C
-25°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.