CytoTest®

Premium **FISH** for Quality of Lives

ENGLISH

For Professional Use Only

IGK Break Apart FISH Probe Kit

Introduction

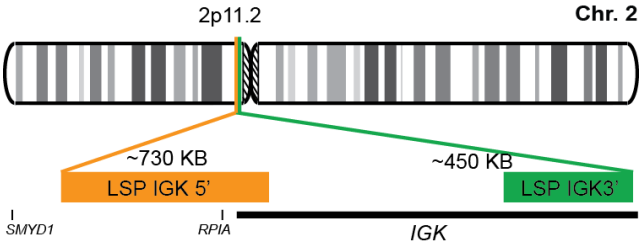
The IGK Break Apart FISH Probe Kit is designed to detect rearrangements in the human IGK locus mapping to chromosome band 2p11.2. In addition to revealing breaks, which can lead to translocation of parts of the gene, inversion, or its fusion to other genes, the probe set can also be used to identify other IGK aberrations such as deletions or amplifications. Rearrangements and abnormal expression of the IGK gene – also known as IGK@ – have been observed in various B-cell lymphoma subtypes and other malignancies.

Intended Use

To detect rearrangements in the human *IGK* locus situated on chromosome band 2p11.2.

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

Probe Design



Not to Scale

LSP IGK 5' FISH Probe covers the 5' (start) portion of the *IGK* locus and some adjacent genomic sequences. LSP IGK 3' FISH Probe covers sequences at the 3' (end) of the gene. The two probes are flanking sequences across the *IGK* locus in which variable breakpoints have been observed.

Cat. No.	Volume
CT-PAC230-10-OG	10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns	Abnormal Patterns
2F*	Other Patterns

*Overlapping orange and green signals can appear as yellow.

1) Barbié V, Lefranc MP. *Exp. Clin. Immunogenet.* 15(3):171-83 (1998).
2) Malcolm S, et al. *Proc. Natl. Acad. Sci. USA* 79(16):4957-61 (1982).
3) Martin-Subero JI, et al. *Int. J. Cancer* 98(3):470-4 (2002).
4) Einerson RR, et al. *Leukemia* 20(10):1790-9 (2006).
5) Türkmen S, et al. *Genes Chromosomes Cancer* 53(8):650-6 (2014).

-25°C -15°C

IVD

CytoTest Inc.
1395 Piccard Drive, Suite 308
Rockville, MD 20850, USA

* 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.