CytoTest®

Premium **FISH** for Quality of Lives

ENGLISH

For Professional Use Only

ZNF384 Break Apart FISH Probe Kit

Introduction

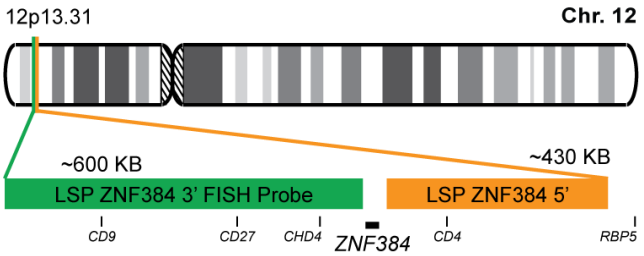
The ZNF384 Break Apart FISH Probe Kit is designed to detect rearrangements in the human *ZNF384* gene located on chromosome band 12p13.31. In addition to revealing breaks, which can lead to translocation of parts of the gene, inversion, or its fusion to other genes, the probe set can also be used to identify other *ZNF384* aberrations such as deletions or amplifications. Rearrangements and abnormal expression of the *ZNF384* gene – also known as *NP*, *CIZ*, *NMP4*, *CAGH1*, *ERDA2*, *TNRC1* or *CAGH1A* – with the Ewing's sarcoma gene, *EWSR1* on chromosome 22, or with the *TAF15* gene on chromosome 17, or with the *TCF3* gene on chromosome 19, have been observed in acute leukemia.

Intended Use

To detect rearrangements in the human *ZNF384* gene located on chromosome band 12p13.31.

Cont.	Color
LSP ZNF384 5' FISH Probe	CytoOrange
LSP ZNF384 3' FISH Probe	CytoGreen

Probe Design



Not to Scale

LSP ZNF384 5' FISH Probe covers some genomic sequences adjacent to the 5' (start) portion of the *ZNF384* gene. LSP ZNF384 3' FISH Probe covers sequences downstream of the 3' (end) part of the gene. The two probes are flanking sequences across the *ZNF384* gene in which variable breakpoints have been observed.

Cat. No.	Volume
CT-PAC427-10-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) Martini A, et al. *Cancer Res.* 62(19):5408-12 (2002).
2) La Starza R, et al. *Leukemia.* 19(9):1696-9 (2005).
3) Nyquist KB, et al. *Cancer Genet.* 204(3):147-52 (2011).
4) Hirabayashi S, et al. *Leukemia.* 35(11):3272-3277 (2021).
5) Zaliova M, et al. *Blood Adv.* 5(21):4393-4397 (2021).

-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.

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