CYTOTEST®

## Premium FISH for Quality of Lives

FGFR1 Break Apart FISH Probe Kit

Introduction

The FGFR1 Break Apart FISH Probe Kit is designed to detect rearrangements in the human *FGFR1* gene located on chromosome band 8p11.23. 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 *FGFR1* aberrations such as deletions or amplifications. Rearrangements and abnormal expression of the *FGFR1* gene – also known as *CEK*, *FLG*, *HH2*, *OGD*, *FLT2*, *KAL2*, *BFGFR*, *CD331*, *FGFBR*, *FLT-2*, *HBGFR*, *N-SAM*, *FGFR-1*, *HRTFDS* or *bFGF-R-1* – have been observed in a large number of hematological and solid tumor types, and other conditions.

Intended Use

To detect rearrangements in the human *FGFR1* gene located on chromosome band 8p11.23.

Cont. / Color

Cont.	Color
LSP FGFR1 5' FISH Probe	CytoGreen
LSP FGFR1 3' FISH Probe	CytoOrange

Probe Design

Not to Scale
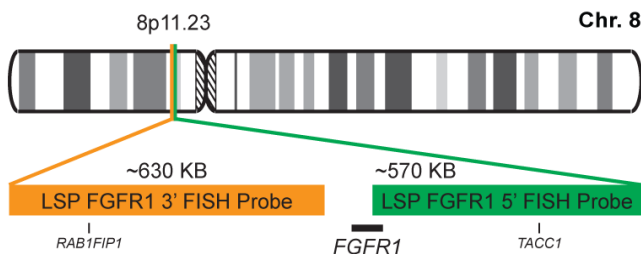
LSP FGFR1 5' FISH Probe covers the 5' (start) portion of the *FGFR1* gene and some adjacent genomic sequences. LSP FGFR1 3' FISH Probe covers the sequences downstream (3' end) of the gene. The two probes are flanking sequences across the *FGFR1* gene in which variable breakpoints have been observed.

Cat. No. / Volume

Cat. No.	Volume
CT-PAC056-10-GO	10 Tests (100 µL)

Signal Pattern Interpretation

Normal Pattern	Abnormal Pattern
2OG*	Other Patterns

*Overlapping orange and green signals can appear as yellow.

1) Elbauomy Elsheikh S, et al. *Breast Cancer Res.* 9(2):R23 (2007).
2) Freier K, et al. *Oral Oncol.* 43(1):60-6 (2007).
3) Sahadevan K, et al. *J Pathol.* 213(1):82-90 (2007).
4) Sugiura K, et al. *Oncol Rep.* 2007 Mar;17(3):557-64 (2007).
5) Park TS, et al. *Cancer Genet Cytogenet.* 181(2):93-9 (2008).

-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.

www.cytotest.com

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