CytoTest®

Premium **FISH** for Quality of Lives

ENGLISH

For Professional Use Only

FLI1 Break Apart FISH Probe Kit

Introduction

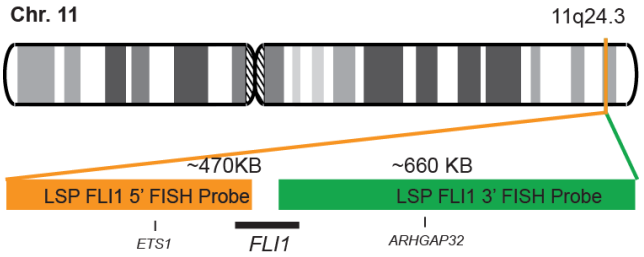
The FLI1 Break Apart FISH Probe Kit is designed to detect rearrangements in the human FLI1 gene located on chromosome band 11q24.3. In addition to revealing breaks, which can lead to translocation of parts of the gene, inversion, or its fusion to other genes, the probe set can also be used to identify other DEK aberrations such as deletions or amplifications. Rearrangements and abnormal expression of the FLI1 gene – also known as EWSR2, SIC-1 or BDPLT21 have been observed in Ewing's and other sarcomas, nervous system and other tumors, and in some congenital and autoimmune conditions.

Intended Use

To detect rearrangements in the human *FLI1* gene located on chromosome band 11q24.3.

Cont.	Color
LSP FLI1 5' FISH Probe	CytoOrange
LSP FLI1 3' FISH Probe	CytoGreen

Probe Design



Not to Scale

LSP FLI1 5' FISH Probe covers the 5' (start) portion of the *FLI1* gene and some adjacent genomic sequences. LSP FLI1 3' FISH Probe covers the 3' (end) part as well as sequences downstream of the gene. The two probes are flanking sequences across the *FLI1* gene in which variable breakpoints have been observed.

Cat. No.	Volume
CT-PAC218-10-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) Kornblau SM, et al. *Blood*. 118(20):5604-12 (2011).
2) Lin O, et al. *Appl Immunohistochem Mol Morpho*. 17(5):409-12 (2009).
3) May WA, et al. *Mol Cell Biol*. 13(12):7393-8 (1993).
4) Bonetti P, et al. *Blood*. 122(13):2233-41 (2013).
5) McKinsey EL, et al. *Oncogene*. 30(49):4910-20 (2011).

-25°C -15°C

CE 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.