CytoTest®

Premium **FISH** for Quality of Lives

ENGLISH

For Professional Use Only

ETV1 Break Apart FISH Probe Kit

Introduction

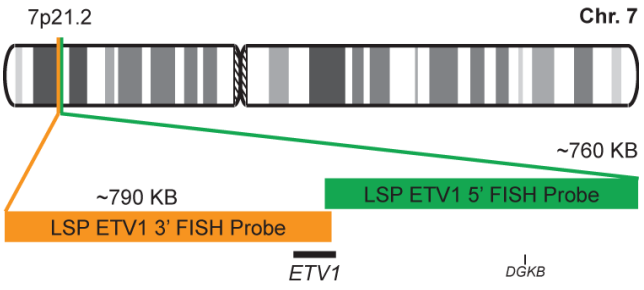
The ETV1 Break Apart FISH Probe Kit is designed to detect rearrangements in the human ETV1 gene located on chromosome band 7p21.2. In addition to revealing breaks, which can lead to translocation of parts of the gene, inversion, or its fusion to other genes, the probe set can also be used to identify other ETV1 aberrations such as deletions or amplifications. Rearrangements and abnormal expression of the ETV1 gene – also known as ER81 – have been observed in Ewing's sarcoma, melanoma, prostate cancer and other tumor types.

Intended Use

To detect rearrangements in the human *ETV1* gene located on chromosome band 7p21.2.

Cont.	Color
LSP ETV1 5' FISH Probe	CytoGreen
LSP ETV1 3' FISH Probe	CytoOrange

Probe Design



Not to Scale

LSP ETV1 5' FISH Probe covers the 5' (start) portion of the *ETV1* gene and some adjacent genomic sequences. LSP ETV1 3' FISH Probe covers the center and the 3' (end) part as well as sequences downstream of the gene. The two probes are flanking sequences across the *ETV1* gene in which variable breakpoints have been observed.

Cat. No.	Volume
CT-PAC152-10-GO	10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns	Abnormal Patterns
2F*	Other Patterns

*Overlapping orange and green signals can appear as yellow.

1) Jeon IS, et al. *Oncogene*. 10(6):1229-34 (1995).
2) Tomlins SA, et al. *Science*. 310(5748):644-8 (2005).
3) Tomlins SA, et al. *Nature*. 448(7153):595-9 (2007).
4) Jané-Valbuena J, et al. *Cancer Res*. 70(5):2075-84 (2010).
5) Oh S, et al. *Biochim Biophys Acta*. 1826(1):1-12 (2012).

-25°C -15°C 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.

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