

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.

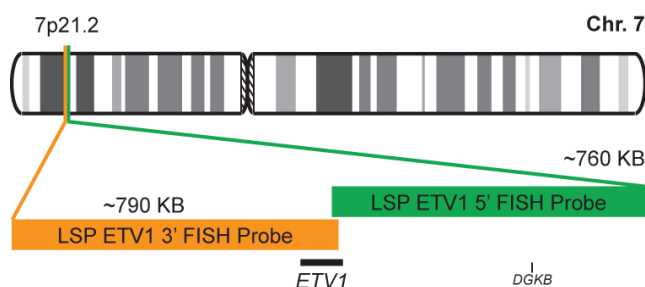
Cont.

ETV1 5' FISH Probe
ETV1 3' FISH Probe

Color

CytoGreen
CytoOrange

Probe Design



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.

Not to Scale

Cat. No.

CT-PAC152-10-GO

Volume

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Pattern

2OG*

Abnormal Pattern

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).



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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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