Premium **FISH** for Quality of Lives

ENGLISH

For Professional Use Only

TMPRSS2-ETV1 Fusion/Translocation FISH Probe Kit

Introduction

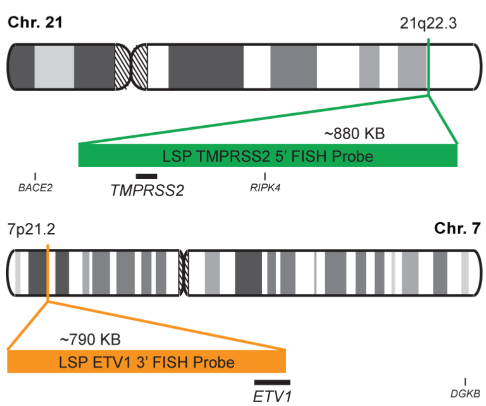
The TMPRSS2-ETV1 Fusion/Translocation FISH Probe Kit is designed to detect rearrangements involving the human TMPRSS2 and ETV1 genes, located on chromosome bands 21q22.3 and 7p21.2, respectively. Rearrangements between the two genes have been observed in prostate cancer and other malignancies.

Intended Use

To detect rearrangements involving the human *TMPRSS2* and *ETV1* genes located on chromosome bands 21q22.3 and 7p21.2, respectively.

Cont.	Color
LSP TMPRSS2 5' FISH Probe	CytoGreen
LSP ETV1 3' FISH Probe	CytoOrange

Probe Design



LSP TMPRSS2 5' FISH Probe covers the entire *TMPRSS2* gene along with some upstream (5’) and downstream (3’) sequences; the probe overlaps the known major and minor breakpoints observed in the region. LSP ETV1 3‘ FISH Probe covers the center and the 3’ (end) part as well as sequences downstream of the *ETV1* gene. The probe set is optimized to reveal translocations between the two genes.

Cat. No.	Volume
CT-PAC177-10-GO	10 Tests (100 μL)

Signal Pattern Interpretation

Normal Patterns	Abnormal Patterns
2O2G*	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 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.