CytoTest®
Premium **FISH** for Quality of Lives

ENGLISH

For Professional Use Only

TMPRSS2-ERG Fusion/Translocation FISH Probe Kit

Introduction

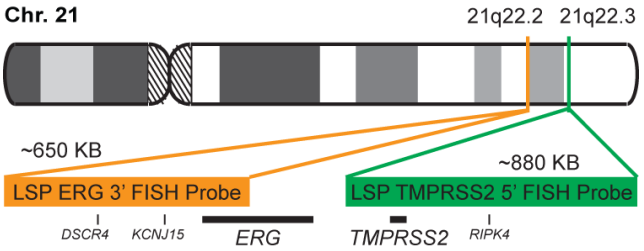
The TMPRSS2-ERG Fusion/Translocation FISH Probe Kit is designed to detect rearrangements involving the human TMPRSS2 and ERG genes located on chromosome bands 21q22.3 and 21q22.2, respectively. Rearrangements between the two genes have been observed in prostate cancer and other malignancies.

Intended Use

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

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

Probe Design



Not to Scale

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 ERG 3' FISH Probe covers the 3' (end) portion of the *ERG* gene and some adjacent genomic sequences. The probe set is optimized to reveal translocations between the two genes.

Cat. No.	Volume
CT-PAC176-10-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) Falzarano SM, et al. *Mod Pathol*. 23(11):1499-506 (2010).
2) Perner S, et al. *Urology*. 75(4):762-7 (2010).
3) Rubio-Briones J, et al. *J Urol*. 183(5):2054-61 (2010).
4) Scheble VJ, et al. *Histopathology*. 56(7):937-43 (2010).
5) Taylor BS, et al. *Cancer Cell*. 18(1):11-22 (2010).

-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.