

TMPRSS2-ERG Tri-color Fusion/Translocation FISH Probe Kit

Introduction

The TMPRSS2-ERG Tri-color Fusion/Translocation FISH Probe Kit is designed to detect rearrangements between the human *TMPRSS2* and *ERG* genes, both located on the long arm of chromosome 21 (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 between the human *TMPRSS2* and *ERG* genes, both located on the long arm of chromosome 21 (21q22.3 and 21q22.2, respectively).

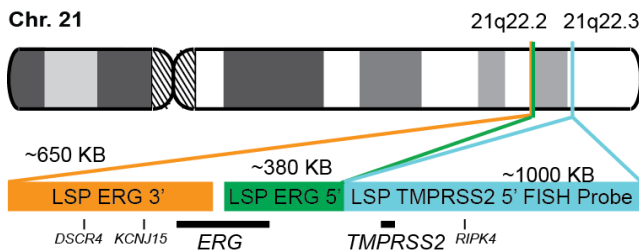
Cont.

LSP TMPRSS2 5' FISH Probe
LSP ERG 5' FISH Probe
LSP ERG 3' FISH Probe

Color

CytoAqua
CytoGreen
CytoOrange

Probe Design



Not to Scale

LSP TMPRSS2 5' FISH Probe covers the entire *TMPRSS2* gene, the 5' (start) portion of the gene and some adjacent genomic sequences; it also covers some sequences adjacent to the 3' portion of the gene. LSP ERG 5' FISH Probe covers the 5' (start) portion of the *ERG* gene and some adjacent genomic sequences. LSP ERG 3' FISH Probe covers the 3' (end) part as well as sequences downstream of the gene. The probe set is optimized to reveal translocations between the two genes.

Cat. No.

CT-PAC376-10-AGO

Volume

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns

2O2G2A

Abnormal Patterns

Other Patterns

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).

* 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.