CytoTest®

Premium **FISH** for Quality of Lives

**ENGLISH**

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# ERG Break Apart FISH Probe Kit

## Introduction

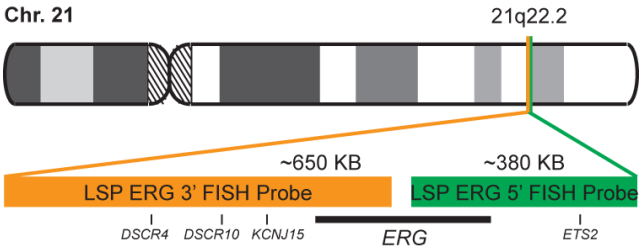
The ERG Break Apart FISH Probe Kit is designed to detect rearrangements in the human ERG gene located on chromosome band 21q22.2. In addition to revealing breaks, which can lead to translocation of parts of the gene, inversion, or its fusion to other genes, the probe set can also be used to identify other ERG aberrations such as deletions or amplifications. Rearrangements and abnormal expression of the ERG gene – also known as p55 or erg-3 – have been observed in Ewing's sarcoma, acute myeloid leukemia (AML), prostate cancer and other tumor types.

## Intended Use

To detect rearrangements in the human *ERG* gene located on chromosome band 21q22.2.

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

## Probe Design




*Not to Scale*

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 two probes are flanking a region in the *ERG* gene in which variable breakpoints have been observed.

| Cat. No. | Volume |
|---|---|
| CT-PAC151-10-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) 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 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.