

# WT1-EWSR1 Fusion/Translocation FISH Probe Kit

## Introduction

The WT1-EWSR1 Fusion/Translocation FISH Probe Kit is designed to detect rearrangements involving the human *WT1* and *EWSR1* genes located on chromosome bands 11p13 and 22q12.2, respectively. Rearrangements between the two genes, the *WT1* gene – also known as *GUD*, *AWT1*, *WAGR*, *WT33*, *NPHS4*, *WIT-2* or *EWS-WT1* – and the *EWSR1* gene – also called *EWS* or *bK984G1.4*, have been found in desmoplastic small round cell tumor (DSRCT) and other tumor types and conditions.

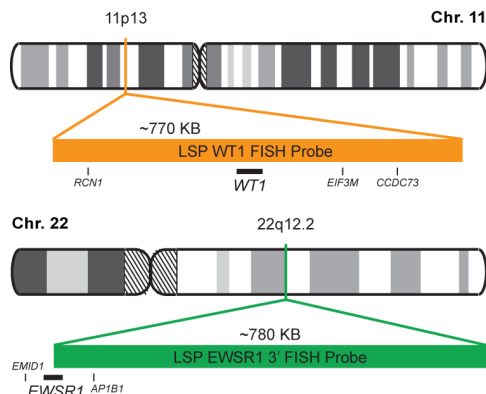
## Intended Use

To detect rearrangements involving the human *WT1* and *EWSR1* genes located on chromosome bands 11p13 and 22q12.2, respectively.

| Cont. | Color |
|-------|-------|
|-------|-------|

|   |                         |
|---|-------------------------|
| LSP WT1 FISH Probe<br>LSP EWSR1 3' FISH Probe | CytoOrange<br>CytoGreen |
|---|-------------------------|

## Probe Design



Not to Scale

LSP WT1 FISH Probe covers a chromosomal region which includes the entire *WT1* gene. LSP EWSR1 3' FISH Probe covers the 3' (end) part as well as sequences downstream of the *EWSR1* gene. The probe set is optimized to reveal translocations between the two gene regions.

| Cat. No. | Volume |
|----------|--------|
|----------|--------|

|                 |                   |
|-----------------|-------------------|
| CT-PAC098-10-OG | 10 Tests (100 µL) |
|-----------------|-------------------|

## Signal Pattern Interpretation

|                                   |   |
|-----------------------------------|---|
| <u>Normal Pattern</u><br>2O + 2G* | <u>Abnormal Pattern</u><br>Other Patterns |
|-----------------------------------|---|

\*Overlapping orange and green signals can appear as yellow.

- 1) Call KM, et al. *Cell*. 60(3):509-20 (1990).
- 2) Gessler M, et al. *Genomics*. 12(4):807-13 (1992).
- 3) Varanasi R, et al. *Proc Natl Acad Sci U S A*. 91(9):3554-8 (1994).
- 4) Gerald WL, et al. *Proc Natl Acad Sci U S A*. 92(4):1028-32 (1995).
- 5) Little M & Wells C. *Hum Mutat*. 9(3):209-25 (1997).



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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.