

# WT1 Break Apart FISH Probe Kit

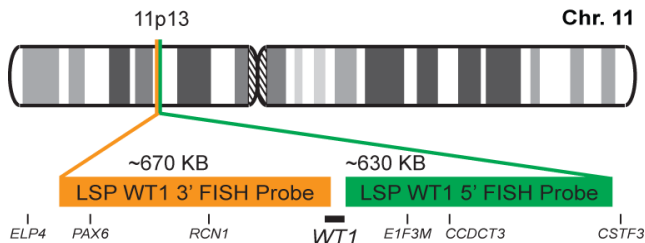
## Introduction

The WT1 Break Apart FISH Probe Kit is designed to detect rearrangements in the human *WT1* gene located on chromosome band 11p13. 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 *WT1* aberrations such as deletions or amplifications. Rearrangements and abnormal expression of the *WT1* gene – also known as *GUD*, *AWT1*, *WAGR*, *WT33*, *NPHS4*, *WIT-2* or *EWS-WT1* – have been observed in Wilms' tumor and other tumor types and conditions.

Intended Use
To detect rearrangements in the human <i>WT1</i> gene located on chromosome band 11p13.

Cont.	Color
LSP WT1 5' FISH Probe LSP WT1 3' FISH Probe	CytoGreen CytoOrange

## Probe Design



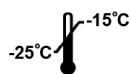
LSP WT1 5' FISH Probe covers some genomic sequences adjacent to the 5' (start) portion of the *WT1* gene. LSP WT1 3' FISH Probe covers the 3' (end) part as well as sequences downstream of the gene. The two probes are flanking sequences across the *WT1* gene in which various breakpoints have been observed.

Not to Scale

Cat. No.	Volume
CT-PAC097-10-GO	10 Tests (100 µL)

Signal Pattern Interpretation	
<u>Normal Pattern</u> 2OG*	<u>Abnormal Pattern</u> 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.