

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 *WT1* gene located on chromosome band 11p13.

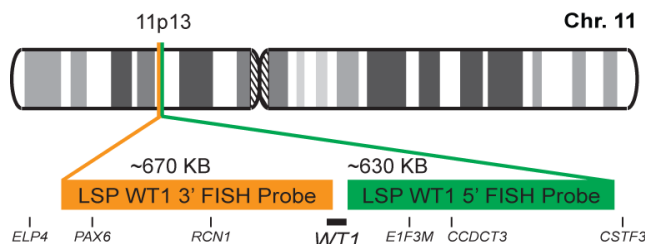
Cont.

Color

LSP WT1 5' FISH Probe
LSP WT1 3' FISH Probe

CytoGreen
CytoOrange

Probe Design



Not to Scale

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.

Cat. No.

Volume

CT-PAC097-10-GO

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns

2F*

Abnormal Patterns

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).

* 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.

DCN032

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CytoTest Inc.
1395 Piccard Drive, Suite 308
Rockville, MD 20850, USA