CytoTest®

Premium **FISH** for Quality of Lives

**ENGLISH**

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# SUZ12 Break Apart FISH Probe Kit

## Introduction

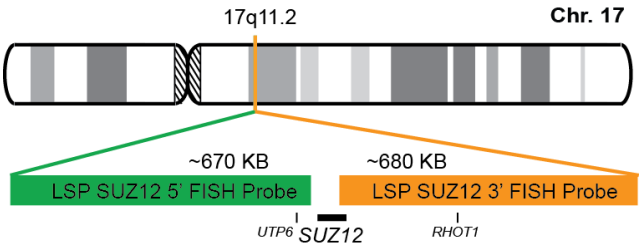
The SUZ12 Break Apart FISH Probe Kit is designed to detect rearrangements in the human SUZ12 gene mapping to chromosome band 17q11.2. In addition to revealing breaks, which can lead to translocation of parts of the gene, inversion, or its fusion to other genes, the probe set can also be used to identify other SUZ12 aberrations such as deletions or amplifications. Rearrangements and abnormal expression of the SUZ12 gene – also known as CHET9, IMMAS or JJAZ1 - have been observed in endometrial stromal tumors and other neoplasias.

## Intended Use

To detect rearrangements in the human *SUZ12* gene mapping to chromosome band 17q11.2.

| Cont. | Color |
|---|---|
| LSP SUZ12 5' FISH Probe | CytoGreen |
| LSP SUZ12 3' FISH Probe | CytoOrange |

## Probe Design




*Not to Scale*

LSP SUZ12 5' FISH Probe covers some genomic sequences upstream of the 5' (start) end of the *SUZ12* gene. LSP SUZ12 3' FISH Probe covers the 3' (end) part as well as sequences downstream of the gene. The two probes are flanking sequences across the *SUZ12* gene in which various breakpoints have been observed.

| Cat. No. | Volume |
|---|---|
| CT-PAC322-10-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) Zhang M, et al. *Nat Genet*. 46(11):1170-2 (2014).
2) Sato T, et al. *Sci Rep*. 3:1911 (2013).
3) Kehrer-Sawatzki H, et al. *Am J Hum Genet*. 75(3):410-23 (2004).
4) Oliva E, et al. *Am J Surg Pathol*. 31(8):1277-84 (2007).
5) Huang HY, et al. *Am J Surg Pathol*. 28(2):224-32 (2004).


-25°C -15°C 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.