CytoTest®

Premium **FISH** for Quality of Lives

ENGLISH

For Professional Use Only

SNRPN/PML/CCP15 FISH Probe Kit

Introduction

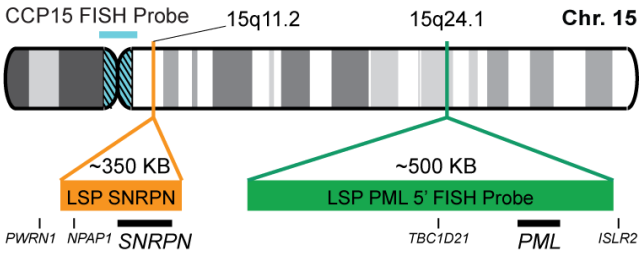
The SNRPN/PML/CCP15 FISH Probe Kit is designed to detect the human *SNRPN* gene located on chromosome band 15q11.2, the human *PML* gene located on chromosome band 15q24, along with the number of chromosome 15 copies per cell. Altered expression of the *SNRPN* gene – also known as *SMN*, *PWCR*, *SM-D*, *sm-N*, *RT-LI*, *HCERN3*, *SNRNP-N* or *SNURF-SNRPN* – has been observed in some solid tumor types. Paternal copy deletion of this gene is observed in Prader-Willi Syndrom (PWS) individuals. Rearrangements involving *PML* – *also known as MYL, RNF71, PP8675* or *TRIM19* – are found in various malignancies.

Intended Use

To measure the copy number of the human *SNRPN* and *PML* genes, located on chromosome bands 15q11.2 and 15q24.1, respectively.

Cont.	Color
LSP SNRPN FISH Probe	CytoOrange
LSP PML 5' FISH Probe	CytoGreen
CCP15 FISH Probe	CytoAqua

Probe Design



Not to Scale

LSP SNRPN FISH Probe covers a chromosomal region, which includes the entire *SNRPN* gene and some 5' and 3' adjacent genomic sequences, while LSP PML FISH Probe covers the complete *PML* gene. CCP15 FISH probe DNA, derived from chromosome 15-specific alpha satellite DNA, is designed to serve as a control to determine the number of chromosome 15 copies per cell.

Cat. No.	Volume
CT-PAC419-10-OGA	10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns	Abnormal Patterns
2O2G2A	Other Patterns

1. Han JY, et al. *Am. J. Med. Genet.* 87(5):395-8 (1999).
2. Ribeiro Ferreira I, et al. *Mol. Genet. Genomic Med.* 7(6):e637 (2019).
3. Schüle B, et al. *BMC Med. Genet.* 6:18 (2005.)
4. Anderlid BM, et al. *Am. J. Med. Genet. A.* 164A(2)425-31 (2014)
5. Nicholls RD, et al. *Trends Genet.* 14(5):194-200 (1998).

-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.