CytoTest®
Premium **FISH** for Quality of Lives

LIFE TECH
Life Technologies™
Your Molecular & Cell Technology Partner

For Professional Use Only

CDKN2A/CCP3,7,17 FISH Probe Kit

Introduction

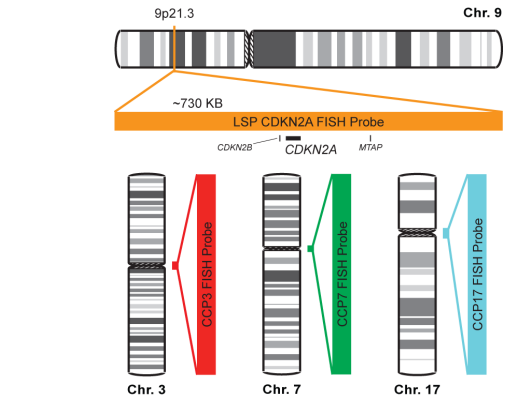
The CDKN2A/CCP3,7,17 FISH Probe Kit is designed to detect the human *CDKN2A* gene located on chromosome band 9p21.3 and simultaneously determine the copy number of human chromosomes 3, 7 and 17. Abnormalities in *CDKN2A* – also known as *ARF*, *MLM*, *P14*, *P16*, *P19*, *CMM2*, *INK4*, *MTS1*, *TP16*, *CDK4I*, *CDKN2*, *INK4A*, *MTS-1*, *P14ARF*, *P19ARF*, *P16INK4*, *P16INK4A* or *P16-INK4A* – occur in gliomas and meningiomas as well as numerous other familial and sporadic tumor types.

Intended Use

To measure the copy number of the human *CDKN2A* gene located on chromosome band 9p21.3 and the copy number of chromosomes 3, 7 and 17.

Cont.	Color
LSP CDKN2A FISH Probe	CytoOrange
CCP3 FISH Probe	CytoRed
CCP7 FISH Probe	CytoGreen
CCP17 FISH Probe	CytoAqua

Probe Design



Not to Scale

LSP CDKN2A FISH Probe covers a chromosomal region which includes the entire *CDKN2A* gene. CCP3, 7 and 17 FISH Probe, derived from chromosome 3-, 7- and 17-specific alpha satellite DNA, respectively, are designed to determine the copy number of its corresponding chromosome per cell.

Cat. No.	Volume
CT-PAC026-10-ORGA	10 Tests (100 µL)

Signal Pattern Interpretation

Normal Pattern	Abnormal Pattern
2O + 2R + 2G + 2A	Other Patterns

1) Kamb A, et al. *Science.* 264(5157):436-40 (1994).
2) Foulkes WD, et al. *Mol Med.* 3(1):5-20 (1997).
3) Krimpenfort P, et al. *Nature.* 413(6851):83-6 (2001).
4) Sharpless E & Chin L. *Oncogene.* 22(20):3092-8 (2003).
5) Gonzalez S, et al. Nature. 440(7084):702-6 (2006).

-25°C -15°C CE 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.

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