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

ENGLISH

For Professional Use Only

CDKN2C/CKS1B FISH Probe Kit

Introduction

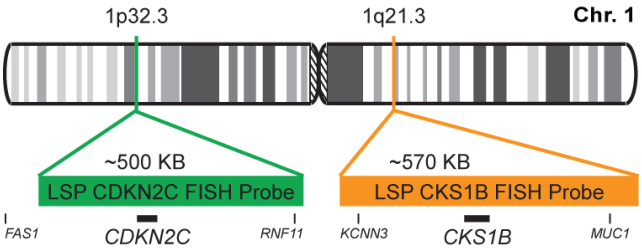
The CDKN2C/CKS1B FISH Probe Kit is designed to detect rearrangements involving the human CDKN2C and CKS1B genes located on chromosome bands 1p32.3 and 1q21.3, respectively. Abnormalities in CDKN2C – also known as p18, INK4C or p18-INK4C – occur in multiple myeloma and several other malignancies. Abnormal expression of the CKS1B gene – also named CKS1, ckshs1, PNAS-16 or PNAS-18 – has been observed in multiple cancer types, including breast cancer, lymphomas, myeloma, colon, prostate, lung, kidney and numerous other tumor types.

Intended Use

To measure the copy number of the human *CDKN2C* and *CKS1B* genes located on chromosome bands 1p32.3 and 1q21.3, respectively.

Cont.	Color
LSP CDKN2C FISH Probe	CytoGreen
LSP CKS1B FISH Probe	CytoOrange

Probe Design



Not to Scale

LSP CDKN2C FISH Probe covers a chromosomal region which includes the entire *CDKN2C* gene. LSP CKS1B FISH Probe covers a chromosomal region including the entire *CKS1B* gene.

Cat. No.	Volume
CT-PAC126-10-GO	10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns	Abnormal Patterns
2O2G	Other Patterns

1) Leone PE, et al. *Clin Cancer Res*. 14(19):6033-41 (2008).
2) Boyd KD, et al. *Clin Cancer Res*. 17(24):7776-84 (2011).
3) Kitajima S, et al. *Am J Pathol*. 165(6):2147-55 (2004).
4) Nagler RM, et al. *Cancer Invest*. 27(5):512-20 (2009).
5) Wang XC, et al. *Biochem Biophys Res Commun*. 379(4):1107-13 (2009).

-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.