

PTEN/CCP10 FISH Probe Kit

Introduction

The PTEN/CCP10 FISH Probe Kit is designed to detect the human PTEN gene located on chromosome band 10q23.31, along with the number of chromosome 10 copies per cell. Loss or abnormal expression of the PTEN gene – also known as BZS, DEC, CWS1, GLM2, MHAM, TEP1, MMAC1, PTEN1 or 10q23del – is common in gliomas and prostate cancer and has been observed in a variety of other heritable and sporadic tumor types and conditions.

Intended Use

To measure the copy number of the human *PTEN* gene located on chromosome band 10q23.31.

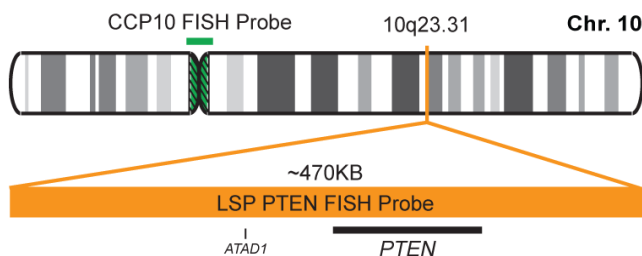
Cont.

Color

LSP PTEN FISH Probe
CCP10 FISH Probe

CytoOrange
CytoGreen

Probe Design



LSP PTEN FISH Probe covers a chromosomal region which includes the entire *PTEN* gene. CCP10 FISH Probe, derived from chromosome 10-specific alpha satellite DNA, is designed to serve as a control to determine the number of chromosome 10 copies per cell.

Not to Scale

Cat. No.

Volume

CT-PAC101-10-OG

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns

202G

Abnormal Patterns

Other Patterns

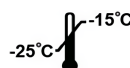
- 1) Steck PA, et al. *Nat Genet.* 1997 Apr;15(4):356-62 (1997).
- 2) Chu EC & Tarnawski AS. *Med Sci Monit.* 10(10):RA235-41 (2004).
- 3) Djulbegovic M, et al. *BMJ.* 341:c4543 (2010).
- 4) Cairns P, et al. *Cancer Res.* 57(22):4997-5000 (1997).
- 5) Yoshimoto M, et al. *Br J Cancer.* 97(5):678-685 (2007).

* 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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V2024.01.01

T-07-10-PAC101-OG-EN