

# PTEN/CCP10 FISH Probe Kit

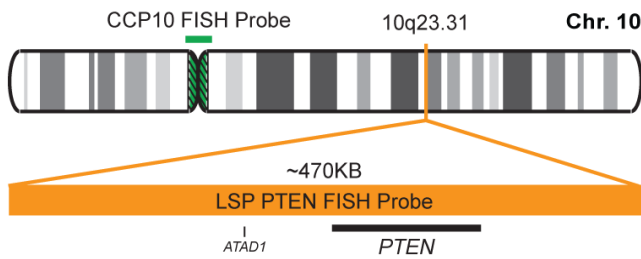
## Introduction

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 <i>PTEN</i> 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	
<u>Normal Pattern</u> 2O + 2G	<u>Abnormal Pattern</u> 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).



CytoTest Inc.  
9430 Key West Ave., Suite 210  
Rockville, MD 20850, USA

\* 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.

**PTEN/CCP10 FISH Probe Kit**

**Introduction**

**Intended Use**

Cont.	Color
LSP PTEN FISH Probe (CoreDiagnostics Design) CCP10 FISH Probe	eDiagnostics Design) CytoGreen

**Probe Design**

*Not to Scale*

Cat. No.	Volume
CT-COR101-10-OG	10 Tests (100 µL)

Signal Pattern Interpretation	
<u>Normal Pattern</u>	<u>Abnormal Pattern</u>



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