

## TERC/PTGS2/CCP7 FISH Probe Kit

### Introduction

The TERC/PTGS2/CCP7 FISH Probe Kit is designed to detect the human TERC and PTGS2 genes located on chromosome band 3q26.2 and 1q31.1, respectively, along with the number of chromosome 7 copies per cell. Abnormal expression of both genes (TERC – also known as TR, hTR, TRC3, DKCA1, PFBMT2 or SCARNA19 – and PTGS2 – also known as COX2, COX-2, PHS-2, PGG/HS, PGHS-2, hCox-2 or GRIPGHS) has been observed in cervical carcinoma, various other solid tumor types, and other conditions.

### Intended Use

To measure the copy number of the human *TERC* and *PTGS2* gene located on chromosome band 3q26.2 and 1q31.1, respectively.

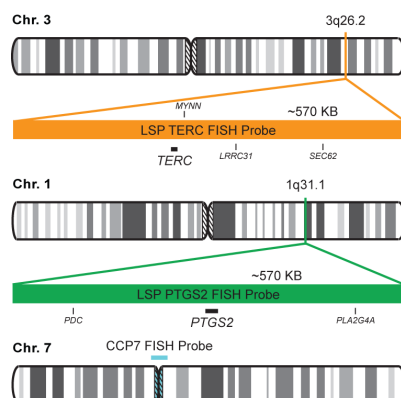
### Cont.

### Color

LSP TERC FISH Probe  
LSP PTGS2 FISH Probe  
CCP7 FISH Probe

CytoOrange  
CytoGreen  
CytoAqua

### Probe Design



Not to Scale

LSP TERC FISH Probe covers a chromosomal region which includes the entire *TERC* gene. LSP PTGS2 FISH Probe covers a chromosomal region which includes the entire *PTGS2* gene. CCP7 FISH Probe, derived from chromosome 7-specific alpha satellite DNA, is designed to serve as a control to determine the number of chromosome 7 copies per cell.

### Cat. No.

### Volume

CT-PAC005-10-OGA

10 Tests (100 µL)

### Signal Pattern Interpretation

#### Normal Patterns

2O2G2A

#### Abnormal Patterns

Other Patterns

- Shay JW & Bacchetti S. *Eur J Cancer*. 33(5):787-91 (1997).
- Heselmeyer K, et al. *Proc Natl Acad Sci U S A*. 93(1):479-84 (1996).
- Zha S, et al. *Cancer Lett*. 215(1):1-20 (2004).
- Rask K, et al. *Mol Cancer*. 16:5:62 (2006).
- Konstantinopoulos PA, et al. *Int J Colorectal Dis*. 22(1):57-68 (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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