

TERC/PTGS2/CCP7 FISH Probe Kit

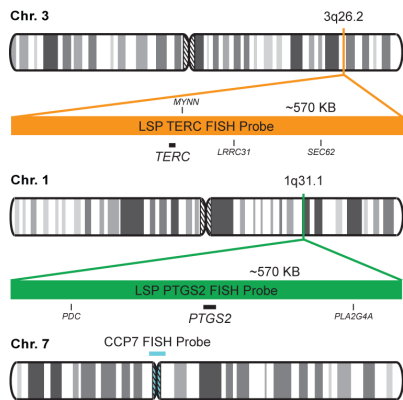
Introduction

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*, *PFBMFT2* 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 <i>TERC</i> and <i>PTGS2</i> 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



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.

Not to Scale

Cat. No.	Volume
CT-PAC005-10-OGA	10 Tests (100 µL)

Signal Pattern Interpretation	
<u>Normal Pattern</u>	<u>Abnormal Pattern</u>
2O + 2G + 2A	Other Patterns

- 1) Shay JW & Bacchetti S. *Eur J Cancer*. 33(5):787-91 (1997).
- 2) Heselmeyer K, et al. *Proc Natl Acad Sci U S A*. 93(1):479-84 (1996).
- 3) Zha S, et al. *Cancer Lett*. 215(1):1-20 (2004).
- 4) Rask K, et al. *Mol Cancer*. 16;5:62 (2006).
- 5) 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.

