

TERC/TERT/CCP7 FISH Probe Kit

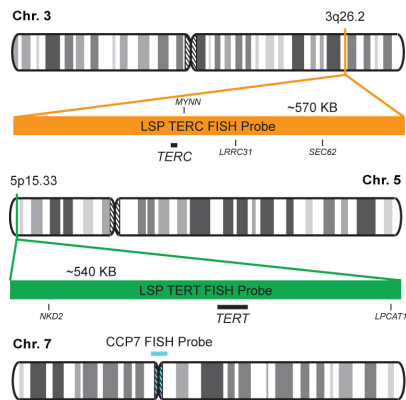
Introduction

The TERC/TERT/CCP7 FISH Probe Kit is designed to detect the human *TERC* and *TERT* genes located on chromosome band 3q26.2 and 5p15.33, 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 *TERT* – also known as *TP2*, *TRT*, *CMM9*, *EST2*, *TCS1*, *hTRT*, *DKCA2*, *DKCB4*, *hEST2* or *PFBMFT1*) has been observed in cervical carcinoma and a variety of other tumor types.

Intended Use
To measure the copy number of the human <i>TERC</i> and <i>TERT</i> gene located on chromosome band 3q26.2 and 5p15.33, respectively.

Cont.	Color
LSP TERC FISH Probe LSP TERT FISH Probe CCP7 FISH Probe	CytoOrange CytoGreen CytoAqua

Probe Design



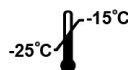
LSP TERC FISH Probe covers a chromosomal region which includes the entire *TERC* gene. LSP TERT FISH Probe covers a chromosomal region which includes the entire *TERT* gene. CCP7 FISH Probe, derived from chromosome 7-specific alpha satellite DNA, is designed to serve as a control to determine the number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

Not to Scale

Cat. No.	Volume
CT-PAC003-10-OGA	10 Tests (100 µL)

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

1) Blackburn EH. *Nature*. 350(6319):569-73 (1991).
 2) Shay JW & Bacchetti S. *Eur J Cancer*. 33(5):787-91 (1997).
 3) Heselmeyer K, et al. *Proc Natl Acad Sci U S A*. 93(1):479-84 (1996).
 4) Heselmeyer-Haddad K, et al. *Am J Pathol*. 166(4): 1229-1238 (2005).
 5) Visnovsky J, et al. *Neuro Endocrinol Lett*. 35(6):518-22 (2014).



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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.