

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 *TERC* and *TERT* gene located on chromosome band 3q26.2 and 5p15.33, respectively.

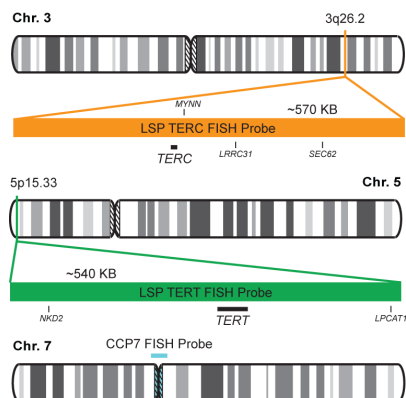
Cont.

Color

LSP TERC FISH Probe
LSP TERT FISH Probe
CCP7 FISH Probe

CytoOrange
CytoGreen
CytoAqua

Probe Design



Not to Scale

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.

Cat. No.

Volume

CT-PAC003-10-OGA

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns

2O2G2A

Abnormal Patterns

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).

* 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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