

TERT/CCP5 FISH Probe Kit

Introduction

The TERT/CCP5 FISH Probe Kit is designed to detect the human *TERT* gene located on chromosome band 5p15.33, along with the number of chromosome 5 copies per cell. Gains and losses of portions of the *TERT* gene – also known as *TP2*, *TRT*, *CMM9*, *EST2*, *TCS1*, *hTRT*, *DKCA2*, *DKCB4*, *hEST2* or *PFBMFT1* – have been reported in a variety of tumor types.

Intended Use

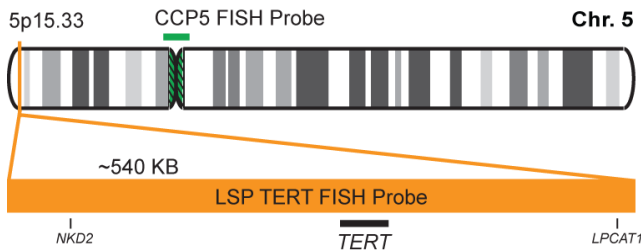
To measure the copy number of the human *TERT* gene located on chromosome band 5p15.33.

Cont.	Color
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LSP TERT FISH Probe
CCP5 FISH Probe

CytoOrange
CytoGreen

Probe Design



LSP TERT FISH Probe covers a chromosomal region which includes the entire *TERT* gene. CCP5 FISH Probe, derived from chromosome 5-specific alpha satellite DNA, is designed to serve as a control to determine the number of chromosome 5 copies per cell.

Not to Scale

Cat. No.	Volume
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CT-PAC004-10-OG

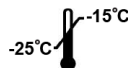
10 Tests (100 µL)

Signal Pattern Interpretation

Normal Pattern
2O + 2G

Abnormal Pattern
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) Chen SM, et al. *Asian Pac J Cancer Prev*. 13(5):2063-8 (2012).
- 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.