

# TERC/CCP3 FISH Probe Kit

## Introduction

The TERC/CCP3 FISH Probe Kit is designed to detect the human *TERC* gene located on chromosome band 3q26.2, along with the number of chromosome 3 copies per cell. Amplification and abnormal expression of the *TERC* gene – also known as *TR*, *hTR*, *TRC3*, *DKCA1*, *PFBMFT2* or *SCARNA19* – is a hallmark of malignant cervical cancer but is also dysregulated in other tumor types.

### Intended Use

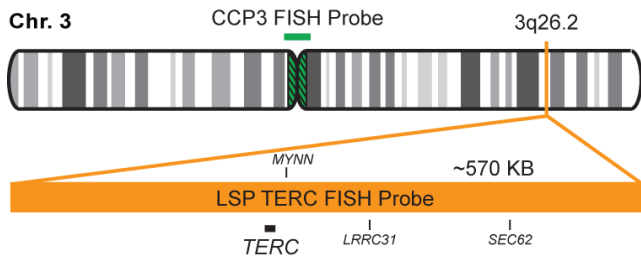
To measure the copy number of the human *TERC* gene located on chromosome band 3q26.2.

Cont.	Color
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LSP TERC FISH Probe  
CCP3 FISH Probe

CytoOrange  
CytoGreen

## Probe Design



LSP TERC FISH Probe covers a chromosomal region which includes the entire *TERC* gene. CCP3 FISH Probe, derived from chromosome 3-specific alpha satellite DNA, is designed to serve as a control to determine the number of chromosome 3 copies per cell.

Not to Scale

Cat. No.	Volume
CT-PAC166-10-OG	10 Tests (100 µL)

Signal Pattern Interpretation	
<u>Normal Pattern</u>	<u>Abnormal Pattern</u>
20 + 2G	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) Andersson S, et al. *Am J Pathol*. 175(5): 1831-1847 (2009).



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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.