

# TNIK/CCP3 FISH Probe Kit

## Introduction

The TNIK/CCP3 FISH Probe Kit is designed to detect the human *TNIK* gene located on chromosome band 3q26.2, along with the number of chromosome 3 copies per cell. Abnormal expression of the TNIK gene has been observed in gastric, lung and other cancer types.

### Intended Use

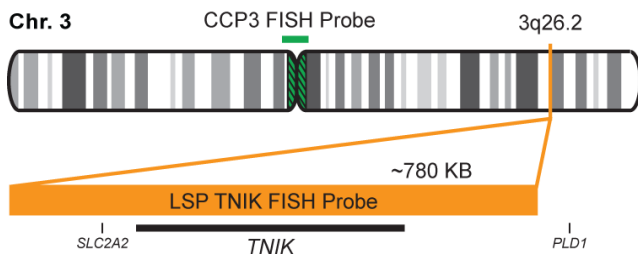
To measure the copy number of the human *TNIK* gene located on chromosome band 3q26.2.

Cont.	Color
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LSP TNIK FISH Probe  
CCP3 FISH Probe

CytoOrange  
CytoGreen

## Probe Design



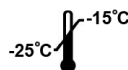
LSP TNIK FISH Probe covers a chromosomal region which includes the entire *TNIK* gene. CCP3 FISH Probe, derived from chromosome 3-specific alpha satellite DNA, is designed to serve as a control to determine the number of chromosome 3 copies per cell.

Not to Scale

Cat. No.	Volume
CT-PAC100-10-OG	10 Tests (100 µL)

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

- 1) O'Connor C. *Nature Education*. 1(1):171 (2008).
- 2) Tsuchiya KD. *Clin Lab Med*. 31(4):525-42, vii-viii (2011).
- 3) Ried T, et al. *Hum Mol Genet*. 7(10):1619-26 (1998).
- 4) Yu DH, et al. *Oncogenesis*. 3:e93 (2014).
- 5) Kim J, et al. *PLoS One*. 9(10):e110180 (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.