

## TYMS/CCP18 FISH Probe Kit

### Introduction

The TYMS/CCP18 FISH Probe Kit is designed to detect the human TYMS gene located on chromosome band 18p11.32, along with the number of chromosome 18 copies per cell. Abnormal expression of the TYMS gene – also known as TS, TMS or HST422 – has been observed in tuberous sclerosis, some kidney cancers and other conditions.

### Intended Use

To measure the copy number of the human *TYMS* gene located on chromosome band 18p11.32.

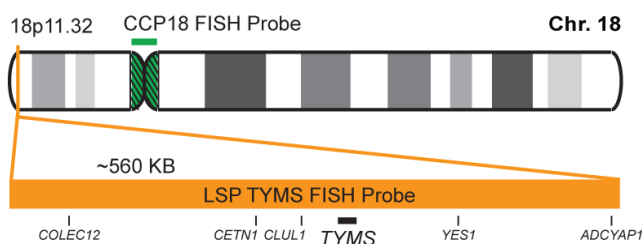
### Cont.

LSP TYMS FISH Probe  
CCP18 FISH Probe

### Color

CytoOrange  
CytoGreen

### Probe Design



Not to Scale

LSP TYMS FISH Probe covers a chromosomal region which includes the entire *TYMS* gene. CCP18 FISH Probe, derived from chromosome 18-specific alpha satellite DNA, is designed to serve as a control to determine the number of chromosome 18 copies per cell.

### Cat. No.

CT-PAC067-10-OG

### Volume

10 Tests (100 µL)

### Signal Pattern Interpretation

#### Normal Patterns

202G

#### Abnormal Patterns

Other Patterns

- 1) Nakakuki K, et al. *Carcinogenesis*. 2002 Jan;23(1):19-24 (2002).
- 2) Pezo RC, et al. *Cancer Res*. 68(13):4977-82 (2008).
- 3) Jensen SA, et al. *Acta Oncol*. 47(6):1054-61 (2008).
- 4) Dewald GW, et al. *Mayo Clin Proc*. 84(9):801-10 (2009).
- 5) Brown J, et al. *World J Gastroenterol*. 17(24):2909-23 (2011).

\* 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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