

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.

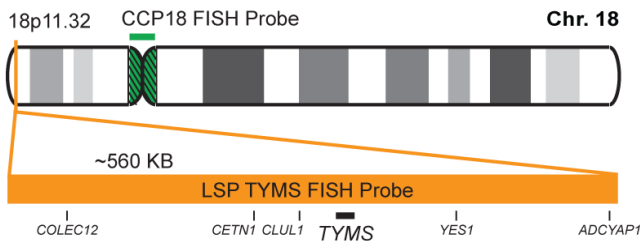
Intended Use

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

Cont.	Color
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LSP TYMS FISH Probe	CytoOrange
CCP18 FISH Probe	CytoGreen

Probe Design



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.

Not to Scale

Cat. No.	Volume
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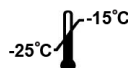
CT-PAC067-10-OG	10 Tests (100 µL)
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Signal Pattern Interpretation

Normal Pattern	Abnormal Pattern
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20 + 2G	Other Patterns
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- 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).



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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.