

TSC1/CCP9 FISH Probe Kit

Introduction

The TSC1/CCP9 FISH Probe Kit is designed to detect the human *TSC1* gene located on chromosome band 9q34.13, along with the number of chromosome 9 copies per cell. Abnormal expression of the *TSC1* gene – also known as *LAM* or *TSC* – has been observed in tuberous sclerosis, some kidney cancers and other conditions.

Intended Use

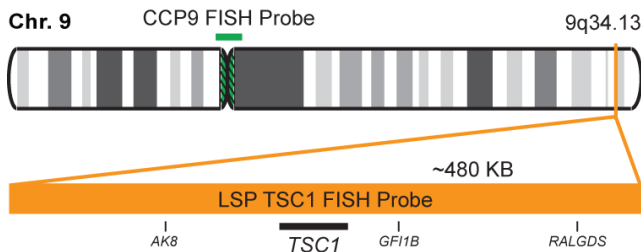
To measure the copy number of the human *TSC1* gene located on chromosome band 9q34.13.

Cont.	Color
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LSP TSC1 FISH Probe
CCP9 FISH Probe

CytoOrange
CytoGreen

Probe Design



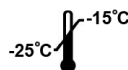
LSP TSC1 FISH Probe covers a chromosomal region which includes the entire *TSC1* gene. CCP9 FISH Probe, derived from chromosome 9-specific alpha satellite DNA, is designed to serve as a control to determine the number of chromosome 9 copies per cell.

Not to Scale

Cat. No.	Volume
CT-PAC031-10-OG	10 Tests (100 µL)

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

- 1) van Slechtenhorst M, et al. Science. 277(5327):805-8 (1997).
- 2) Miloloza A, et al. Hum Mol Genet. 9(12):1721-7 (2000).
- 3) Hendy GN, et al. Hum Mutat. 16(4):281-96 (2000).
- 4) Dabora SL, et al. Am J Hum Genet. 68(1):64-80 (2001).
- 5) Johnson MW, et al. Mod Pathol. 14(3):202-10 (2001).



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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.