

C19MC/TPM4 FISH Probe Kit

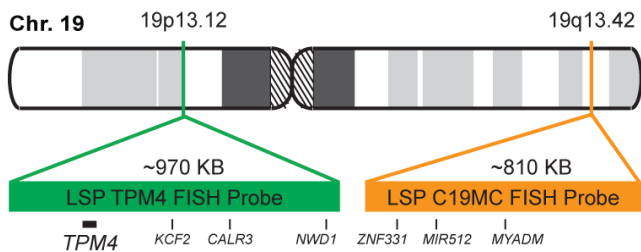
Introduction

The C19MC/TPM4 FISH Probe Kit is designed to detect the human *C19MC* microRNA cluster locus, located on chromosome band 19q13.42, and the *TPM4* gene located on chromosome band 19p13.12. The *C19MC* microRNA cluster locus is subject to frequent rearrangements, for example in a subset of thyroid adenomas. Rearrangements of the *TPM4* gene – also known as *HEL-S-108* – can be found in some soft tissue tumors and other cancer types.

Intended Use
To detect rearrangements in the human <i>C19MC</i> microRNA cluster locus and the <i>TPM4</i> gene located on chromosome band 19q13.42 and 19p13.12, respectively.

Cont.	Color
LSP C19MC FISH Probe LSP TPM4 FISH Probe	CytoOrange CytoGreen

Probe Design



LSP C19MC FISH Probe covers the C19MC microRNA cluster locus region. LSP TPM4 FISH Probe covers a chromosomal region which includes the entire *TPM4* gene.

Not to Scale

Cat. No.	Volume
CT-PAC033-10-OG	10 Tests (100 µL)

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

- 1) Griffin CA, et al. *Cancer Res.* 59(12):2776-80 (1999).
- 2) Lehman W, et al. *J Mol Biol.* 302(3):593-606 (2000).
- 3) Ladanyi M. *Am J Pathol.* 157(2):341-5 (2000).
- 4) Lawrence B, et al. *Am J Pathol.* 157(2):377-84 (2000).
- 5) Brown JH, et al. *Proc Natl Acad Sci U S A.* 98(15):8496-501 (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.