

PAX8-PPARG Fusion/Translocation FISH Probe Kit

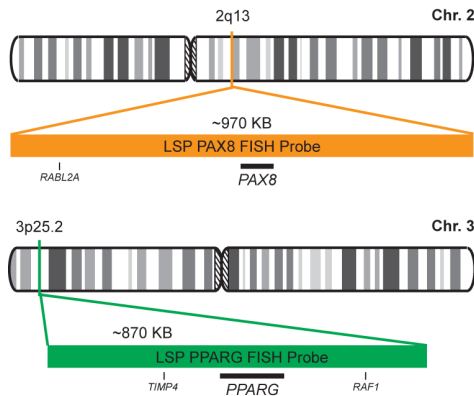
Introduction

The PAX8-PPARG Fusion/Translocation FISH Probe Kit is designed to detect rearrangements involving the human *PAX8* and *PPARG* genes located on chromosome bands 2q13 and 3p25.2, respectively. Rearrangements between the two genes, the *PPARG* gene – also known as *CIMT1*, *GLM1*, *NR1C3*, *PPARG1*, *PPARG2* or *PPARGgamma*, have been observed in several thyroid tumor types, Wilms' Tumor, ovarian carcinoma, and other solid and hematological malignancies.

Intended Use
To detect rearrangements involving the human <i>PAX8</i> and <i>PPARG</i> genes located on chromosome bands 2q13 and 3p25.2, respectively.

Cont.	Color
LSP PAX8 FISH Probe LSP PPARG FISH Probe	CytoOrange CytoGreen

Probe Design



LSP PAX8 FISH Probe covers a region at 2q13 including the entire *PAX8* gene. LSP PPARG FISH Probe spans across part of 3p25.2 chromosomal region covering the entire *PPARG* gene. The probe set is optimized to reveal translocations between the two genes.

Not to Scale

Cat. No.	Volume
CT-PAC078-10-OG	10 Tests (100 µL)

Signal Pattern Interpretation	
<u>Normal Pattern</u> 2O + 2G*	<u>Abnormal Pattern</u> Other Patterns
*Overlapping orange and green signals can appear as yellow.	

- 1) Nikiforova MN, et al. *J Clin Endocrinol Metab.* 88(5):2318-26 (2003).
- 2) Gregory Powell J, et al. *Oncogene.* 23(20):3634-41 (2004).
- 3) Trueba SS, et al. *J Clin Endocrinol Metab.* 90(1):455-62 (2005).
- 4) Castro P, et al. *J Clin Endocrinol Metab.* 91(1):213-20 (2006).
- 5) Bowen NJ, et al. *Gynecol Oncol.* 104(2):331-7 (2007).



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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.