CytoTest®
Premium **FISH** for Quality of Lives

ENGLISH

For Professional Use Only

PAX8-PPARG Dual Fusion/Translocation FISH Probe Kit

Introduction

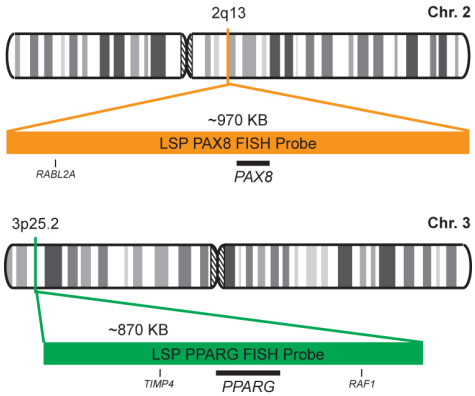
The PAX8-PPARG Fusion/Translocation FISH Probe Kit is designed to detect rearrangements involving the human PAX8 and PPARG genes located on chromosome bands 2q13 and 3p25.2, respectively. Rearrangements between the two genes, the PPARG gene – also known as CIMT1, GLM1, NR1C3, PPARG1, PPARG2 or PPARgamma, 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 *PAX8* and *PPARG* genes located on chromosome bands 2q13 and 3p25.2, respectively.

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

Probe Design



Not to Scale

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.

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

Signal Pattern Interpretation

Normal Patterns	Abnormal Patterns
2O2G*	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).

-25°C -15°C CE IVD

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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.