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

ENGLISH

For Professional Use Only

RARA Break Apart FISH Probe Kit

Introduction

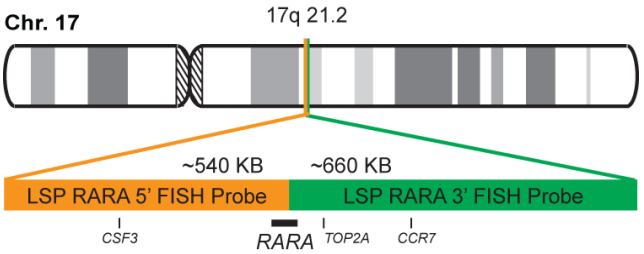
The RARA Break Apart FISH Probe Kit is designed to detect rearrangements in the human RARA gene located on chromosome band 17q21.2. In addition to revealing breaks, which can lead to translocation of parts of the gene, inversion, or its fusion to other genes, the probe set can also be used to identify other RARA aberrations such as deletions or amplifications. Rearrangements and abnormal expression of the RARA gene – also known as RAR or NR1B1 – have been observed in several acute promyelocytic leukemia types and other malignancies.

Intended Use

To detect rearrangements in the human *RARA* gene located on chromosome band 17q21.2.

Cont.	Color
LSP RARA 5' FISH Probe	CytoOrange
LSP RARA 3' FISH Probe	CytoGreen

Probe Design



Not to Scale

LSP RARA 5' FISH Probe covers the center sequences and the 5' (start) portion of the *RARA* gene and some adjacent genomic sequences. LSP RARA 3' FISH Probe covers the 3' (end) part as well as sequences downstream of the gene. The two probes are flanking sequences across the *RARA* gene in which variable breakpoints have been observed.

Cat. No.	Volume
CT-PAC093-10-OG	10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns	Abnormal Patterns
2F*	Other Patterns

*Overlapping orange and green signals can appear as yellow.

1) Kakizuka A, et al. *Cell*. 66(4):663-74 (1991).
2) Nervi C, et al. *Cancer Res*. 52(13):3687-92 (1992).
3) Casini T, et al. *Int J Cancer*. 70(4):473-4 (1997).
4) Grimwade D. *Br J Haematol*. 106(3):591-613 (1999).
5) Melnick A & Licht JD. *Blood*. 93(10):3167-215 (1999).

-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.