

RARA Break Apart FISH Probe Kit

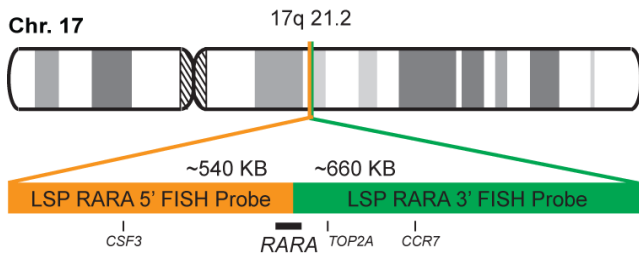
Introduction

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 <i>RARA</i> gene located on chromosome band 17q21.2.

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

Probe Design



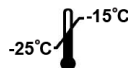
LSP RARA 5' FISH Probe covers the center sequences and the 5' (start) portion of the *RARA* gene and some adjacent genomic sequences. LSP RARA 3' FISH Probe covers the 3' (end) part as well as sequences downstream of the gene. The two probes are flanking sequences across the *RARA* gene in which variable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

Not to Scale

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

Signal Pattern Interpretation	
<u>Normal Pattern</u> 2OG*	<u>Abnormal Pattern</u> 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).



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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.