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

ENGLISH

For Professional Use Only

TRB Break Apart FISH Probe Kit

Introduction

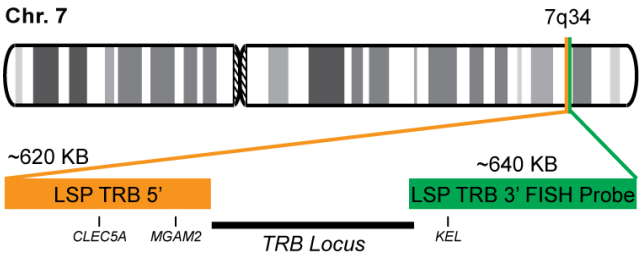
The TRB Break Apart FISH Probe Kit is designed to detect rearrangements in the human *TRB* gene located on chromosome band 7q34. In addition to revealing breaks, which can lead to translocation of parts of the gene, inversion, or its fusion to other genes, the probe set can also be used to identify other *TRB* aberrations such as deletions or amplifications. Rearrangements and abnormal expression of the *TRB* gene – also known as *TCRB* or *TRB@* – is observed in different types of lymphomas and other malignancies.

Intended Use

To detect rearrangements in the human *TRB* gene located on chromosome band 7q34.

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

Probe Design



Not to Scale

LSP TRB 5' FISH Probe covers some genomic sequences adjacent to the 5' (start) portion of the *TRB* locus. LSP TRB 3' FISH Probe covers 3' (end) portion of the locus and sequences downstream of the locus. The two probes are flanking sequences across the *TRB locus* in which variable breakpoints have been observed.

Cat. No.	Volume
CT-PAC433-10-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) Morgan SM, et al. *J Invest Dermatol*. 126(8):1893-9 (2006).
2) Robins HS, et al. *Blood*. 114(19):4099-107 (2009).
3) Brennan RM, et al. *J Immunol*. 188(6):2742-8 (2012).
4) Scala E, et al. *Arch Dermatol Res*. 307(6): 487-93 (2015).
5) Keane C, et al. *Clin Cancer Res*. 23(7):1820-1828 (2017).

-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.