CytoTest®

Premium **FISH** for Quality of Lives

ENGLISH

For Professional Use Only

PAX5 Break Apart FISH Probe Kit

Introduction

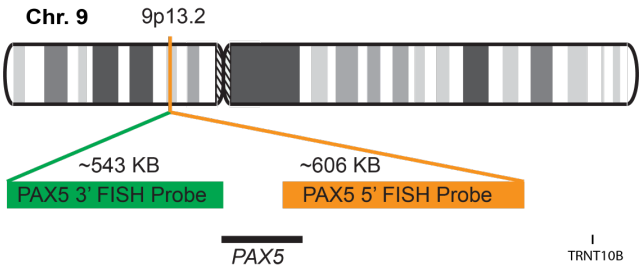
The PAX5 Break Apart FISH Probe Kit is designed to detect rearrangements in the human *PAX5* gene located on chromosome band 9p13.2. In addition to revealing breaks, which can lead to translocation of parts of the gene, inversion, or its fusion to other genes, the probe set can also be used to identify other *PAX5* aberrations such as deletions or amplifications. Rearrangements and abnormal expression of the *PAX5* gene - also known as *ALLL3, BSAP,* or *PAX-5* - have been observed in acute lymphoblastic leukemia (ALL) and in other lymphoproliferative disorders.

Intended_Use

To detect rearrangements in the human *PAX5* gene located on chromosome band 9p13.2.

Cont.	Color
LSP PAX5 5' FISH Probe	CytoOrange
LSP PAX5 3' FISH Probe	CytoGreen

Probe Design



Not to Scale

LSP PAX5 5' FISH Probe covers the 5' end of the *PAX5* gene and the adjacent sequences. LSP PAX5 3' FISH Probe covers the 3' end and the neighboring downstream region. The two probes are designed to recognize sequences on both sides of a common breakpoint region that is located inside the *PAX5* gene.

Cat. No.	Volume
CT-PAC379-10-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) Stasevich I, et al. *Br J Hematol* 171(2):263-272 (2015).
2) Coyaud E, el a. *Blood* 115(15)3-89-3097 (2010).
3) Poppe B, et al. *Genes Chromos. Cancer* 44(2):218-23 (2005).
4) Strehl S, et a. *Leukemia* 17(6):1121-3 (2003).
5) Iida S, et al. *Blood* 88(11):4110-7 (1996).

-25°C -15°C CE IVD

CytoTest Inc.
1395 Piccard Drive, Suite 308
Rockville, MD 20850, USA

* 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.