CytoTest®
Premium FISH for Quality of Lives

LIFE TECH
Life Technologies™
Your Molecular & Cell Technology Partner

For Professional Use Only

IGH-EPOR Fusion/Translocation FISH Probe Kit

Introduction

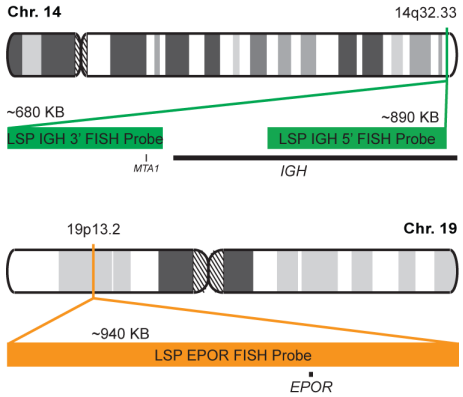
The IGH-EPOR Fusion/Translocation FISH Probe Kit is designed to detect rearrangements involving the human *IGH* locus and *EPOR* gene, located on chromosome bands 14q32.33 and 19p13.2, respectively. Rearrangements between the two regions have been observed in B-cell acute lymphoblastic leukemia (B-ALL).

Intended Use

To detect rearrangements involving the human *IGH* locus and *EPOR* gene located on chromosome bands 14q32.33 and 19p13.2, respectively.

Cont.	Color
LSP IGH 5'-3' FISH Probe	CytoGreen
LSP EPOR FISH Probe	CytoOrange

Probe Design



Not to Scale

LSP IGH 5'-3' FISH Probe covers the 5' and the center sequences of the *IGH* locus, and it also covers the 3' part and the neighboring downstream region. LSP EPOR FISH Probe covers a chromosomal region which includes the entire *EPOR* gene. The probe set is optimized to reveal translocations between the two regions.

Cat. No.	Volume
CT-PAC301-10-GO	10 Tests (100 µL)

Signal Pattern Interpretation

Normal Pattern	Abnormal Pattern
2O + 2G*	Other Patterns

*Overlapping orange and green signals can appear as yellow.

1) Jelkmann W. *Eur J Haematol.* 78(3):183-205 (2007).
2) Russell LJ, et al. *Leukemia.* 23(3):614-7 (2009).
3) Dyer MJ, et al. *Blood.* 115(8):1490-9 (2010).
4) Jaso JM, et al. *Modern Pathology.* 27:382–9 (2014).

-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.

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