CytoTest®

Premium **FISH** for Quality of Lives

ENGLISH

For Professional Use Only

BCOR Break Apart FISH Probe Kit

Introduction

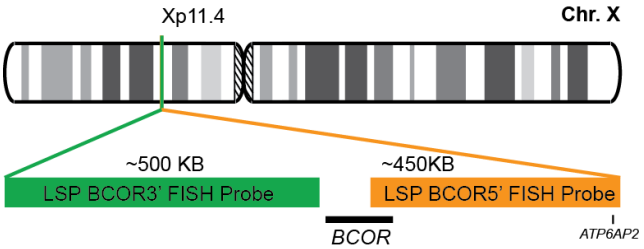
The BCOR Break Apart FISH Probe Kit is designed to detect rearrangements in the human BCOR locus mapping to chromosome band Xp11.4. In addition to revealing breaks, which can lead to translocation of parts of the gene, inversion, or its fusion to other genes, the probe set can also be used to identify other BCOR aberrations such as deletions or amplifications. Rearrangements and abnormal expression of the BCOR gene – also known as MAA2, ANOP2 or MCOPS2 - have been observed in some heritable developmental syndromes as well as in cases of acute myeloid leukemia (AML), round cell sarcomas and other malignancies.

Intended Use

To detect rearrangements in the human *BCOR* locus situated on chromosome band Xp11.4.

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

Probe Design



Not to Scale

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

Cat. No.	Volume
CT-PAC185-10-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) Yamamoto Y., et al. *Blood* 116(20);4274-83 (2010).
2) Pierron G., et al. *Nat Genet.* 44(4):461-6 (2012).
3) Kondo Y, et al. *J. Hum. Genet.* 57(3):197-201 (2012).
4) Peters, TL, et al. *Mod. Pathol.* 28(4):575-586 (2015).
5) Kao YC, et al. *Am. J. Surg. Pathol.* 40(12):1670-1678 (2016).

-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.