

EPOR Break Apart FISH Probe Kit

Introduction

The EPOR Break Apart FISH Probe Kit is designed to detect rearrangements in the human EPOR gene located on chromosome band 19p13.2. 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 EPOR aberrations such as deletions or amplifications. Rearrangements and abnormal expression of the EPOR gene – also known as EPO-R – have been observed in B-cell acute lymphoblastic leukemia (B-ALL).

Intended Use

To detect rearrangements in the human *EPOR* gene located on chromosome band 19p13.2.

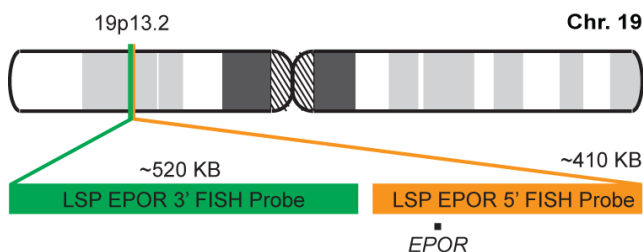
Cont.

Color

LSP EPOR 5' FISH Probe
LSP EPOR 3' FISH Probe

CytoOrange
CytoGreen

Probe Design



Not to Scale

LSP EPOR 5' FISH Probe covers the entire *EPOR* gene and the sequences upstream of 5' end and some sequences adjacent to the 3' end of the gene. LSP EPOR 3' FISH Probe covers the genomic sequences adjacent to the 3' portion of the gene. The two probes are flanking a region around the *EPOR* gene in which variable breakpoints have been observed.

Cat. No.

Volume

CT-PAC203-10-OG

10 Tests (100 µL)

Signal Pattern Interpretation

Normal Patterns

2F*

Abnormal Patterns

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) Russell LJ, et al. *Leukemia.* 23(3):614-7 (2009).
5) Jaso JM, et al. *Modern Pathology.* 27:382-389 (2014).

* 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.