

## 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.

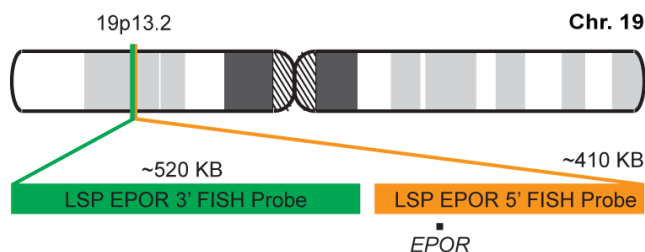
### Cont.

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

### Color

CytoOrange  
CytoGreen

### Probe Design



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.

Not to Scale

### Cat. No.

CT-PAC203-10-OG

### Volume

10 Tests (100 µL)

### Signal Pattern Interpretation

#### Normal Pattern

2OG\*

#### Abnormal Pattern

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).



CytoTest Inc.  
9430 Key West Ave., Suite 210  
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.

### India Contact:

#### Life Technologies (India) Pvt. Ltd.

306, Aggarwal City Mall, Opposite M2K Pitampura, Delhi – 110034 (INDIA). Ph: +91-11-42208000, 42208111, 42208222, Mobile: +91-9810521400, Fax: +91-11-42208444  
Email: [customerservice@lifetechindia.com](mailto:customerservice@lifetechindia.com) Website: [www.lifetechindia.com](http://www.lifetechindia.com)