**HematoLogics, Inc.**

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**BCR-ABL1-Like B-ALL FISH Panel**

Philadelphia chromosome-like B-cell acute lymphoblastic leukemia (Ph-like B-ALL) is a high-risk subtype of ALL in children and adults. In contrast to other B-ALL cases, Ph-like B-ALL cases are negative for t(9;22) BCR/ABL rearrangement but confer a similar poor prognostic association. Chromosomal rearrangements involving CRLF2, EPOR, JAK2, PDGFRB have frequently been described in Ph-like B-ALL and can be detected by *FISH* (Fluorescence in Situ Hybridization).

* The Ph-like B-ALL *FISH* Panel consists of 4 break-apart probes:

 **CRLF2, EPOR, JAK2 and PDGFRB**

* Turnaround time (TAT): 24 - 48 hours

Probe details:

* *CRLF2 (Xp22.33/Yp11.32): Proximal probe in Red; Distal probe in Green.*
* *EPOR (19p13.2): Distal probe in Red; Proximal probe in Green.*
* *JAK2 (9p24.1): Distal probe in Red; Proximal probe in Green.*
* *PDGFRB (5q32): Proximal probe in Red; Distal probe in Green.*

**The HematoLogics Difference:**

* The Ph-like B-ALL FISH Panel can be chosen as a reflex, or up-front testing.
* Only one specimen for **∆N: ™** (Difference from Normal) *Flow Cytometry, Cytogenetics* and *FISH* Testing.
* COG certified.
* Result integration with lineage-specific cytogenetic culture optimization.
* *Metaphase FISH* available.
* Cell Sorting combined with *FISH* Analysis can be used for Measurable Residual Disease detection and for confirmatory testing in difficult cases.



 *Modified from: Reshmi et al. Blood 2017 129:3352-3361*

 **Best for Your Patient –Best for You**