

## 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).

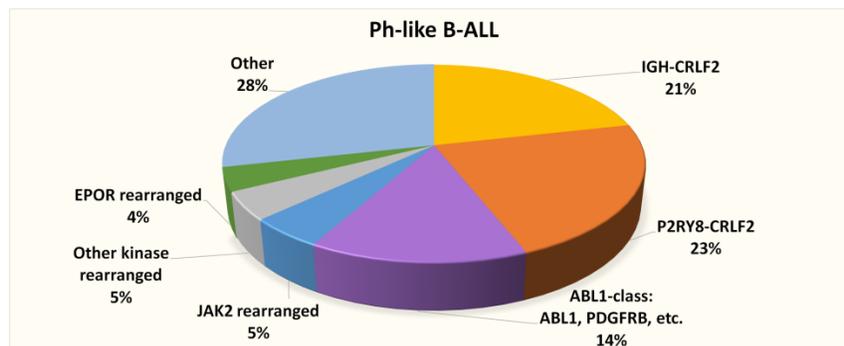
- The Ph-like B-ALL *FISH* Panel consists of 4 break-apart probes:  
**CRLF2, EPOR, JAK2 and PDGFRB**
- Turnaround time (TAT): 24 - 48 hours

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  $\Delta N$ :™ (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