LABORATORY REPORT

Patient Name	:	Bill Date	:
DOB/Age/Gender	:	Sample Collected	:
Patient ID / UHID	:	Sample Received	:
Referred By	:	Report Date	:
Sample Type	:	Barcode No	:
Client	:	Report Status	:

MOLECULAR DIAGNOSTICS REPORT

Philadelphia Chromosome (BCR/ABL Qualitative)

Translocation BCR/ABL Qualitative PCR

BCR/ABL1 Translocation Assay (Qualitative)
RT-PCR & Gel Electrophoresis

Specimen type: EDTA P. Blood

Result:
The hybrid transcript for BCR/ABL1 **was detected** in the leukocytes of the specimen.
Genomic Breakpoint Observed- **e13a2 corresponding to p210**.

Interpretation:
The BCR/ABL1 gene translocation or t(9;22) is found in more than 95% of CML patients, 5% of pediatric pre-B ALLs & 15-30% of adult B-ALLs patients. This genetic aberration is a balanced reciprocal translocation between ABL1 gene on chromosome 9 and BCR gene on chromosome 22. Detection of BCR/ABL1 transcript establishes the diagnosis of CML and has a prognostic significance in ALL. This test detects the Major (M-BCR), Minor (m-BCR) and Micro (u-BCR) breakpoints forms corresponding to p210, p190 and p230 kDa proteins.
The result of this test should be interpreted in correlation with the clinical and hematological parameters observed.

Test Attributes and Limitations:
The analytical sensitivity of this Test allows detection of 1 leukemic cell carrying the abnormal transcript in 100,000 normal cells. Samples must be received at the laboratory under appropriate conditions within 48hrs of aspiration to ensure preservation of RNA.
PCR is a highly sensitive technique; reasons for apparently contradictory results may be due to improper quality control during sample collection, selection of inappropriate specimen and/or presence of PCR inhibitors.

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1. The presented findings in the Reports are intended solely for informational and interpretational purposes by the referring physician or other qualified medical professionals possessing a comprehensive understanding of reporting units, reference ranges, and technological limitations. The laboratory shall not be held liable for any interpretation or misinterpretation of the results, nor for any consequential or incidental damages arising from such interpretation.

2. It is to be presumed that the tests performed pertain to the specimen/sample attributed to the Customer's name or identification. It is presumed that the verification particulars have been cleared out by the customer or his/her representation at the point of generation of said specimen / sample. It is hereby clarified that the reports furnished are restricted solely to the given specimen only.

3. It is to be noted that variations in results may occur between different laboratories and over time, even for the same parameter for the same Customer. The assays are performed and conducted in accordance with standard procedures, and the reported outcomes are contingent on the specific individual assay methods and equipment(s) used, as well as the quality of the received specimen.

4. This report shall not be deemed valid or admissible for any medico-legal purposes.

5. The Customers assume full responsibility for apprising the Company of any factors that may impact the test finding. These factors, among others, includes dietary intake, alcohol, or medication / drug(s) consumption, or fasting. This list of factors is only representative and not exhaustive.