

Patient Name: Test, Patient	Collection Date: 06/10/2007
Ordering Physician: Test, M.D.	Received Date: 06/11/2007
Treating Physician: Not Given	Report Date: 06/21/2007
Ordering Facility: Test Hospital	US LABS Ref #: AGC07-999999
Medical Record #: 888888	Sex: F
Date of Birth, Age: 02/29/1923, 83	Specimen ID #: 999999

Cytogenetic Analysis Report

Specimen: Bone Marrow

Indication for Study: CLL, 204.10

Total Metaphases Counted: 30
Total Metaphases Analyzed: 20
Total Metaphases Karyotyped: 3



Banding Technique: GTG
Banding Resolution: 400
Cultures Established: Unstimulated/Stimulated

Result:
47,XX,+12[1]/46,XX[19]

Interpretation:

Cytogenetic evaluation revealed 46,XX, a normal female karyotype, in 19 of 20 cells examined.

One of 20 cells showed an extra copy (trisomy) of chromosome 12. Ten additional cells were screened and found to have two normal copies of chromosome 12. In light of the TargetGene report (see below) and the flow cytometry findings (see below), this cell most likely represents a trisomy 12 clone. Follow-up studies may reveal additional cells with this change.

Trisomy 12 is one of the most common chromosome abnormalities seen in B-cell chronic lymphocytic leukemia (B-CLL), found in approximately 30% of this patient population. These results should be interpreted in the context of the other clinical and histopathological findings.

Follow-up cytogenetic evaluation and/or FISH analysis (if applicable) is suggested to help track the remission/progression of the disease process.

- See Flow Prognostic Marker-ZAP-70 report AFP07-999999 for further information.
- See Flow Cytometry report AFT07-999999 for further information.
- See CLL Profile TargetGene analysis report AGT07-999999 for further information.
- See Bone Marrow report BM07-999999 for further information.

*Please note that the standard cytogenetic methodology utilized in this chromosome analysis does not routinely detect subtle or sub-microscopic rearrangements or low level mosaicism.

Electronically Signed by US LABS, M.D., FACMG on 11/21/2007 at US LABS

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