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|---------------------------------------|---|------------------|--------------------|------------------------------|
| Patient Name TESTING,REPORT | Patient ID SA00064833 | Age 17 | Gender M | Order # SA00064833 |
| Ordering Phys CLIENT,CLIENT | | | | DOB 11/11/1996 |
| Client Order # SA00064833 | Account Information | | | Report Notes |
| Collected 12/11/2013 08:00 | C7028846-DLMP Rochester SDSC 2 - Client Support Rochester, MN 55901 | | | |
| Printed 12/12/2013 09:35 | | | | |

| Test | Flag | Results | Unit | Reference Value | Perform Site* |
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CEBPA Mutations, Sequencing

RECEIVED: 12/11/2013 13:16 REPORTED: 12/11/2013 13:35

Specimen Type Bone marrow

Final Diagnosis:

MCR
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Bone marrow, CEBPA mutation analysis:

A nucleotide substitution was identified in the CEBPA gene:
NM_004364.3(CEBPA):c.690G>T; p. = (p.Thr230Thr)..

This nucleotide alteration does not change the amino acid sequence at this position ("silent mutation"); however, it could be associated with changes in RNA stability, splicing or translation.

Signing Pathologist: Melissa Tricker-Klar
Method Summary - CEBPA mutation analysis: Genomic DNA was extracted and Sanger sequencing was used to evaluate for mutations in CEBPA (see Mayo Medical Laboratories Interpretive Handbook for method details). The sensitivity of this assay is approximately 20% such that samples containing lower percentages of mutated DNA will appear negative.

* Performing Site:

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| MCR | Mayo Clinic Laboratories - Rochester Main Campus 200 First St SW Rochester, MN 55905 | Lab Director: Franklin R. Cockerill, III, M.D. |
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| Patient Name TESTING,REPORT | Collection Date and Time 12/11/2013 08:00 | Report Status Final |
| Page 1 of 1 | | ** End of Report ** |

* Report times for Mayo performed tests are CST/CDT