

|  |   |                  |                    |                            |
|--|---|------------------|--------------------|----------------------------|
| <b>Patient Name</b><br>SAMPLEREP, G6ST A | <b>Patient ID</b><br>M0002104   | <b>Age</b><br>40 | <b>Gender</b><br>F | <b>Order #</b><br>M0002104 |
| <b>Ordering Phys</b>                     |   |                  |                    | <b>DOB</b><br>09/28/1971   |
| <b>Client Order #</b><br>M0002104        | <b>Account Information</b>  |                  |                    | <b>Report Notes</b>        |
| <b>Collected</b><br>06/27/2012 00:19     | C7028846-DLMP Rochester<br>3050 Superior Drive<br>Rochester, MN 55901 |                  |                    |                            |
| <b>Printed</b><br>05/28/2013 17:18       |   |                  |                    |                            |

| Test  | Flag | Results      | Unit      | Reference Value  | Perform Site* |
|---|------|--------------|-----------|------------------|---------------|
| <b>N-Acetylgalactosamine 6 Slft, Fibro</b>  |      |              | REPORTED  | 02/13/2013 14:23 |               |
| Specimen  |      | Fibroblasts  |           |                  | MCR           |
| Reason For Referral   |      | Not provided |           |                  | MCR           |
| <b>N-Acetylgalactosamine 6 Slft, Fibro</b>  |      |              | nmol/h/mg | 3.05-12.34       | MCR           |
| N-Acetylgalactosamine-6-Sulfate Sulfatase activity:   |      |              |           |                  |               |
| Patient = 0.05 nmol/h/mg protein.   |      |              |           |                  |               |
| Co-run normal control = 1.19 nmol/h/mg protein.   |      |              |           |                  |               |
| Co-run deficient control = 0.00 nmol/h/mg protein.  |      |              |           |                  |               |
| Due to radioactive substrate degradation, we no longer rely on the published normal range but compare the results to the co-run normal and deficient controls.  |      |              |           |                  |               |
| Interpretation  |      |              |           |                  |               |
| These results are strongly suggestive of Morquio Type A disease. Morquio disease is an autosomal recessive disease. Please contact the Biochemical Genetics consultant or genetic counselor on call (1-800-533-1710) if you have any questions. |      |              |           |                  |               |
| Enzymatic/Radiolabeled/Anion Exchange Chromatography  |      |              |           |                  |               |
| Reviewed By   |      | Daniel Kraft |           |                  | MCR           |

\* Performing Site:

|     |   |               |
|-----|---|---------------|
| MCR | Mayo Clinic Laboratories - Rochester Main Campus<br>200 First St SW Rochester, MN 55905 | Lab Director: |
|-----|---|---------------|

|  |   |                               |
|--|---|-------------------------------|
| <b>Patient Name</b><br>SAMPLEREP, G6ST A | <b>Collection Date and Time</b><br>06/27/2012 00:19 | <b>Report Status</b><br>Final |
| Page 1 of 1                              |   | ** End of Report **           |

\* Report times for Mayo performed tests are CST/CDT