

Patient ID SA00147547	Patient Name TESTINGRNV, REPORT	Birth Date 1999-09-09	Gender M	Age 21
Order Number SA00147547	Client Order Number SA00147547	Ordering Physician CLIENT,CLIENT	Report Notes	
Account Information C7028846 DLMP Rochester		Collected 31 Aug 2021 07:00		

Alpha Globin Gene Sequencing, B

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see interpretation

MCR

Interpretation

1 MCR

Alpha-1 Globin Sequencing: Negative

Alpha-2 Globin Sequencing: Negative

No mutations associated with an alpha globin chain hemoglobin variant or non-deletional alpha thalassemia are detected by DNA sequencing analysis.

The most common alpha thalassemia mutations are not excluded as this method does not detect large deletion or duplication events. If common alpha thalassemia is suspected and alpha globin gene deletion/duplication testing is desired, please order Alpha-Globin Gene Analysis (test code ATHAL). Additional sample required.

Classification of hemoglobin disorders by genetic data alone may

result in incomplete conclusions which may significantly impact overall disorder classification and expected phenotype. Correlation with hemoglobin electrophoresis results, red blood cell indices and clinical/family history is required. If detected, alterations classified as Benign or Likely Benign that are not expected to result in a hemoglobin variant are not included in this report but are available upon request. Genetic counseling may be of benefit to assist in the interpretation of these results.

Signing Pathologist: BENJAMIN BAILEY

ADDITIONAL INFORMATION

Bi-directional sequence analysis was performed to test for the presence of a mutation in all coding regions and non-coding portions of the alpha-1 hemoglobin (HBA1) and alpha-2 hemoglobin (HBA2) genes with reported mutations. HGVS mutation nomenclature is based on human assembly GRCh37(hg19) and RefSeq accession numbers NM_000558.4 (HBA1) and NM_000517.4 (HBA2).

Received: 01 Sep 2021 09:20

Reported: 01 Sep 2021 10:25

Laboratory Notes

- 1 This test was developed and its performance characteristics determined by Mayo Clinic in a manner consistent with CLIA requirements. This test has not been cleared or approved by the U.S. Food and Drug Administration.

Performing Site Legend

Code	Laboratory	Address	Lab Director	CLIA Certificate
MCR	Mayo Clinic Laboratories - Rochester Main Campus	200 First Street SW, Rochester, MN 55905	William G. Morice M.D. Ph.D	24D0404292