

Table 8: Hemoglobinopathies

| Overall Result | Disorder | Screening Result | Analyte(s) | Analyte Result | Screening Result Note |
|----------------|--------------------|------------------|------------|-----------------|---|
| Normal | Hemoglobinopathies | Normal | | | |
| Abnormal | Hemoglobinopathies | Abnormal | Hemoglobin | A,A | Probable Normal. Only Hemoglobin A detected. If result is due to transfusion, repeat in three months post transfusion. |
| Abnormal | Hemoglobinopathies | Abnormal | Hemoglobin | A,C | Probable C Trait. Hemoglobin A,C detected. Notify family of test results. |
| Abnormal | Hemoglobinopathies | Abnormal | Hemoglobin | A,C,F | Probable C Trait. Hemoglobin A,C,F detected. Notify family of test results. |
| Abnormal | Hemoglobinopathies | Abnormal | Hemoglobin | A,D | Probable D Trait. Hemoglobin A,D detected. Notify family of test results. |
| Abnormal | Hemoglobinopathies | Abnormal | Hemoglobin | A,D,F | Probable D Trait. Hemoglobin A,D,F detected. Notify family of test results. |
| Abnormal | Hemoglobinopathies | Abnormal | Hemoglobin | A,E | Probable E Trait. Hemoglobin A,E detected. Notify family of test results. |
| Abnormal | Hemoglobinopathies | Abnormal | Hemoglobin | A,E,F | Probable E Trait. Hemoglobin A,E,F detected. Notify family of test results. |
| Abnormal | Hemoglobinopathies | Abnormal | Hemoglobin | A,F | Probable Normal. Hemoglobin A,F detected. If result is due to transfusion, repeat in three months post transfusion. |
| Abnormal | Hemoglobinopathies | Abnormal | Hemoglobin | A,F,C | Probable C Trait. Hemoglobin A,F,C detected. Notify family of test results. DNA report to follow. |
| Abnormal | Hemoglobinopathies | Abnormal | Hemoglobin | A,F,D | Probable D Trait. Hemoglobin A,F,D detected. Notify family of test results. DNA report to follow. |
| Abnormal | Hemoglobinopathies | Abnormal | Hemoglobin | A,F,G | Probable G Trait. Hemoglobin A,F,G detected. Notify family of test results. |
| Abnormal | Hemoglobinopathies | Abnormal | Hemoglobin | A,F,Other | Probable Unidentified Hb Variant Trait. Hemoglobin A,F,Other detected. Notify family of test results. For additional information see (http://www.dshs.texas.gov/newborn/pdf/fAOther.pdf). |
| Abnormal | Hemoglobinopathies | Abnormal | Hemoglobin | A,F,Other,Barts | Probable Unidentified Hb Variant Trait and Alpha Thalassemia Trait. Hemoglobin A,F,Other,Barts detected. Notify family of test results. Consult with pediatric hematologist between 6 and 12 months of age. |

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|----------------|--------------------|------------------|------------|-----------------|---|
| Abnormal | Hemoglobinopathies | Abnormal | Hemoglobin | A,F,S | Probable S Trait. Hemoglobin A,F,S detected. Notify family of test results. DNA report to follow. |
| Abnormal | Hemoglobinopathies | Abnormal | Hemoglobin | A,F,S,Barts | Probable S Trait and Alpha Thalassemia Trait. Hemoglobin A,F,S,Barts detected. Notify family of test results. DNA report to follow. |
| Abnormal | Hemoglobinopathies | Abnormal | Hemoglobin | A,G | Probable G Trait. Hemoglobin A,G detected. Notify family of test results. |
| Abnormal | Hemoglobinopathies | Abnormal | Hemoglobin | A,G,F | Probable G Trait. Hemoglobin A,G,F detected. Notify family of test results. |
| Abnormal | Hemoglobinopathies | Abnormal | Hemoglobin | A,Other | Probable Unidentified Hb Variant Trait. Hemoglobin A,Other detected. Notify family of test results. For additional information see (http://www.dshs.texas.gov/newborn/pdf/fAOther.pdf). |
| Abnormal | Hemoglobinopathies | Abnormal | Hemoglobin | A,S | Probable S Trait. Hemoglobin A,S detected. Notify family of test results. |
| Abnormal | Hemoglobinopathies | Abnormal | Hemoglobin | A,S,F | Probable S Trait. Hemoglobin A,S,F detected. Notify family of test results. |
| Abnormal | Hemoglobinopathies | Abnormal | Hemoglobin | C,A | Probable Hemoglobin C/Beta Thalassemia Disease. Hemoglobin C,A detected. Refer to pediatric hematologist within one month. DNA report to follow. |
| Abnormal | Hemoglobinopathies | Abnormal | Hemoglobin | C,C | Probable CC Disease. Only Hemoglobin C detected. Refer to pediatric hematologist within one month. DNA report to follow. |
| Abnormal | Hemoglobinopathies | Abnormal | Hemoglobin | C,F | Probable CC Disease. Hemoglobin C,F detected. Refer to pediatric hematologist within one month. DNA report to follow. |
| Abnormal | Hemoglobinopathies | Abnormal | Hemoglobin | E,E | Probable EE Disease. Only Hemoglobin E detected. Refer to pediatric hematologist within one month. DNA report to follow. |
| Abnormal | Hemoglobinopathies | Abnormal | Hemoglobin | E,F | Probable EE Disease. Hemoglobin E,F detected. Refer to pediatric hematologist within one month. DNA report to follow. |
| Abnormal | Hemoglobinopathies | Abnormal | Hemoglobin | F Only Detected | Possible Beta Thalassemia Major. Only Hemoglobin F detected. Refer to pediatric hematologist within one month. DNA report to follow. |
| Abnormal | Hemoglobinopathies | Abnormal | Hemoglobin | F,A,Barts | Probable Alpha Thalassemia Trait. Hemoglobin F,A,Barts detected. Notify family of test results. |

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| Overall Result | Disorder | Screening Result | Analyte(s) | Analyte Result | Screening Result Note |
|----------------|--------------------|------------------|------------|--------------------|---|
| Abnormal | Hemoglobinopathies | Abnormal | Hemoglobin | F,A,C | Probable C Trait. Hemoglobin F,A,C detected. Notify family of test results. |
| Abnormal | Hemoglobinopathies | Abnormal | Hemoglobin | F,A,C,Barts | Probable C Trait and Alpha Thalassemia Trait. Hemoglobin F,A,C,Barts detected. Notify family of test results. |
| Abnormal | Hemoglobinopathies | Abnormal | Hemoglobin | F,A,C,G | Probable C Trait and G Trait. Hemoglobin F,A,C,G detected. Notify family of test results. Consult with pediatric hematologist between 6 and 12 months of age. |
| Abnormal | Hemoglobinopathies | Abnormal | Hemoglobin | F,A,C,G,Barts | Probable C Trait, G Trait, and Alpha Thalassemia Trait. Hemoglobin F,A,C,G,Barts detected. Notify family of test results. Consult with pediatric hematologist between 6 and 12 months of age. |
| Abnormal | Hemoglobinopathies | Abnormal | Hemoglobin | F,A,C,Other | Probable C Trait and Unidentified Hb Variant Trait. Hemoglobin F,A,C,Other detected. Notify family of test results. Consult with pediatric hematologist between 6 and 12 months of age. |
| Abnormal | Hemoglobinopathies | Abnormal | Hemoglobin | F,A,D | Probable D Trait. Hemoglobin F,A,D detected. Notify family of test results. |
| Abnormal | Hemoglobinopathies | Abnormal | Hemoglobin | F,A,D,Barts | Probable D Trait and Alpha Thalassemia Trait. Hemoglobin F,A,D,Barts detected. Notify family of test results. |
| Abnormal | Hemoglobinopathies | Abnormal | Hemoglobin | F,A,E | Probable E Trait. Hemoglobin F,A,E detected. Notify family of test results. |
| Abnormal | Hemoglobinopathies | Abnormal | Hemoglobin | F,A,E,Barts | Probable E Trait and Alpha Thalassemia Trait. Hemoglobin F,A,E,Barts detected. Notify family of test results. |
| Abnormal | Hemoglobinopathies | Abnormal | Hemoglobin | F,A,elevated Barts | Probable H Disease. Hemoglobin F,A,elevated Barts detected. Refer to a pediatric hematologist within one month. |
| Abnormal | Hemoglobinopathies | Abnormal | Hemoglobin | F,A,G | Probable G Trait. Hemoglobin F,A,G detected. Notify family of test results. |
| Abnormal | Hemoglobinopathies | Abnormal | Hemoglobin | F,A,G,Barts | Probable G Trait and Alpha Thalassemia Trait. Hemoglobin F,A,G,Barts detected. Notify family of test results. Consult with pediatric hematologist between 6 and 12 months of age. |
| Abnormal | Hemoglobinopathies | Abnormal | Hemoglobin | F,A,O-Arab | Probable O-Arab Trait. Hemoglobin F,A,O-Arab detected. Notify family of test results. |

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| Overall Result | Disorder | Screening Result | Analyte(s) | Analyte Result | Screening Result Note |
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| Abnormal | Hemoglobinopathies | Abnormal | Hemoglobin | F,A,Other | Probable Unidentified Hb Variant Trait. Hemoglobin F,A,Other detected. Notify family of test results. For additional information see (http://www.dshs.texas.gov/newborn/pdf/fAOther.pdf). |
| Abnormal | Hemoglobinopathies | Abnormal | Hemoglobin | F,A,Other,Barts | Probable Unidentified Hb Variant Trait and Alpha Thalassemia Trait. Hemoglobin F,A,Other,Barts detected. Notify family of test results. Consult with pediatric hematologist between 6 and 12 months of age. |
| Abnormal | Hemoglobinopathies | Abnormal | Hemoglobin | F,A,S | Probable S Trait. Hemoglobin F,A,S detected. Notify family of test results. |
| Abnormal | Hemoglobinopathies | Abnormal | Hemoglobin | F,A,S Other | Probable S Trait and Unidentified Hb Variant. Hemoglobin F,A,S,Other detected. Notify family of test results. Consult with pediatric hematologist between 6 and 12 months of age. |
| Abnormal | Hemoglobinopathies | Abnormal | Hemoglobin | F,A,S,Barts | Probable S Trait and Alpha Thalassemia Trait. Hemoglobin F,A,S,Barts detected. Notify family of test results. |
| Abnormal | Hemoglobinopathies | Abnormal | Hemoglobin | F,A,S,G | Probable S Trait and G Trait. Hemoglobin F,A,S,G detected. Notify family of test results. Consult with pediatric hematologist between 6 and 12 months of age. |
| Abnormal | Hemoglobinopathies | Abnormal | Hemoglobin | F,A,S,G,Barts | Probable S Trait, G Trait, and Alpha Thalassemia Trait. Hemoglobin F,A,S,G,Barts detected. Notify family of test results. Consult with pediatric hematologist between 6 and 12 months of age. |
| Abnormal | Hemoglobinopathies | Abnormal | Hemoglobin | F,C | Probable CC Disease. Hemoglobin F,C detected. Refer to pediatric hematologist within one month. DNA report to follow. |
| Abnormal | Hemoglobinopathies | Abnormal | Hemoglobin | F,C (A Questionable) | Possible CC or Hemoglobin C/Beta Thalassemia Disease. Hemoglobin F,C (A Questionable) detected. Refer to pediatric hematologist within one month. DNA report to follow. |
| Abnormal | Hemoglobinopathies | Abnormal | Hemoglobin | F,C,A | Probable Hemoglobin C/Beta Thalassemia Disease. Hemoglobin F,C,A detected. Refer to pediatric hematologist within one month. DNA report to follow. |

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| Overall Result | Disorder | Screening Result | Analyte(s) | Analyte Result | Screening Result Note |
|----------------|--------------------|------------------|------------|----------------------|--|
| Abnormal | Hemoglobinopathies | Abnormal | Hemoglobin | F,C,Barts | Probable CC Disease and Alpha Thalassemia Trait. Hemoglobin F,C,Barts detected. Refer to pediatric hematologist within one month. DNA report to follow. |
| Abnormal | Hemoglobinopathies | Abnormal | Hemoglobin | F,C,E | Probable CE Disease. Hemoglobin F,C,E detected. Refer to pediatric hematologist within one month. DNA report to follow. |
| Abnormal | Hemoglobinopathies | Abnormal | Hemoglobin | F,D | Probable DD Disease. Hemoglobin F,D detected. Refer to pediatric hematologist within one month. DNA report to follow. |
| Abnormal | Hemoglobinopathies | Abnormal | Hemoglobin | F,E | Probable EE Disease. Hemoglobin F,E detected. Refer to pediatric hematologist within one month. DNA report to follow. |
| Abnormal | Hemoglobinopathies | Abnormal | Hemoglobin | F,E (A Questionable) | Possible EE or Hemoglobin E/Beta Thalassemia Disease. Hemoglobin F,E (A Questionable) detected. Refer to pediatric hematologist within one month. DNA report to follow. |
| Abnormal | Hemoglobinopathies | Abnormal | Hemoglobin | F,E,Barts | Probable EE Disease and Alpha Thalassemia Trait. Hemoglobin F,E,Barts detected. Refer to pediatric hematologist within one month. DNA report to follow. |
| Abnormal | Hemoglobinopathies | Abnormal | Hemoglobin | F,G | Probable GG Disease. Hemoglobin F,G detected. Refer to pediatric hematologist within one month. |
| Abnormal | Hemoglobinopathies | Abnormal | Hemoglobin | F,Other | Probable Unidentified Hb Variant. Hemoglobin F,Other detected. Refer to pediatric hematologist within one month. DNA report to follow. |
| Abnormal | Hemoglobinopathies | Abnormal | Hemoglobin | F,S | Probable SS Disease. Hemoglobin F,S detected. Refer to pediatric hematologist within one month. DNA report to follow. |
| Abnormal | Hemoglobinopathies | Abnormal | Hemoglobin | F,S (A Questionable) | Possible Sickle Cell or Sickle Beta Thalassemia Disease. Hemoglobin F,S (A Questionable) detected. Refer to pediatric hematologist within one month. DNA report to follow. |
| Abnormal | Hemoglobinopathies | Abnormal | Hemoglobin | F,S,A | Probable Sickle Beta Thalassemia Disease. Hemoglobin F,S,A detected. Refer to pediatric hematologist within one month. DNA report to follow. |
| Abnormal | Hemoglobinopathies | Abnormal | Hemoglobin | F,S,Barts | Probable SS Disease and Alpha Thalassemia Trait. Hemoglobin F,S,Barts detected. Refer to pediatric hematologist within one month. DNA report to follow. |

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| Overall Result | Disorder | Screening Result | Analyte(s) | Analyte Result | Screening Result Note |
|----------------|--------------------|------------------|------------|----------------|---|
| Abnormal | Hemoglobinopathies | Abnormal | Hemoglobin | F,S,C | Probable SC Disease. Hemoglobin F,S,C detected. Refer to pediatric hematologist within one month. DNA report to follow. |
| Abnormal | Hemoglobinopathies | Abnormal | Hemoglobin | F,S,C,Barts | Probable SC Disease and Alpha Thalassemia Trait. Hemoglobin F,S,C,Barts detected. Refer to pediatric hematologist within one month. DNA report to follow. |
| Abnormal | Hemoglobinopathies | Abnormal | Hemoglobin | F,S,D | Probable SD Disease. Hemoglobin F,S,D detected. Refer to pediatric hematologist within one month. DNA report to follow. |
| Abnormal | Hemoglobinopathies | Abnormal | Hemoglobin | F,S,E | Probable SE Disease. Hemoglobin F,S,E detected. Refer to pediatric hematologist within one month. DNA report to follow. |
| Abnormal | Hemoglobinopathies | Abnormal | Hemoglobin | S,A | Probable Sickle Beta Thalassemia Disease. Hemoglobin S,A detected. Refer to pediatric hematologist within one month. DNA report to follow. |
| Abnormal | Hemoglobinopathies | Abnormal | Hemoglobin | S,C | Probable SC Disease. Hemoglobin S,C detected. Refer to pediatric hematologist within one month. DNA report to follow. |
| Abnormal | Hemoglobinopathies | Abnormal | Hemoglobin | S,C,F | Probable SC Disease. Hemoglobin S,C,F detected. Refer to pediatric hematologist within one month. DNA report to follow. |
| Abnormal | Hemoglobinopathies | Abnormal | Hemoglobin | S,F | Probable SS Disease. Hemoglobin S,F detected. Refer to pediatric hematologist within one month. DNA report to follow. |
| Abnormal | Hemoglobinopathies | Abnormal | Hemoglobin | S,S | Probable SS Disease. Only Hemoglobin S detected. Refer to pediatric hematologist within one month. DNA report to follow. |
| Abnormal | Hemoglobinopathies | Abnormal | Hemoglobin | Abnormal | free text |
| Abnormal | Hemoglobinopathies | Revised Result | | | free text |
| Normal | Hemoglobinopathies | Revised Result | | | free text |
| Unsatisfactory | Hemoglobinopathies | Revised Result | | | free text |