

Results suggestive with

Hb H disease

\*Barts levels decrease rapidly after birth and vary significantly depending on time of collection and methodology. Diagnostic specificity varies widely between NBS programs. It is essential to work with the State Health Department, thalassemia specialist, and/or genetic counselor on a detailed interpretation and response.

Abbreviations

Results consistent with

Alpha Thalassemia

Trait or silent carrier

CBC = complete blood count Hb = hemoglobin protein

HbH = Hemoglobin H disease

- Hbg = hemoglobin level
- HPLC = high performance liquid chromatography

Alpha

Thalassemia

Trait or silent

carrier

Results not consistent with

an Alpha Thalassemia or Hb H disease

Newborn screening

result was false

positive. Report result

to newborn screening

program

MCV = mean corpuscular volume

## RBC = red blood cell

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Molecular genetic testing

Key

- Actions are shown in shaded ovals; results are in the unshaded ovals.
- · Diagnostic outcomes are shown in boxes.
- · Dashed line reflects an optional test.

Hb H disease