

Patient Name : Demo Patient Name  
Age / Sex : 3 Y / M  
Referred By : DEMO HOSPITAL  
Centre : HOD Head Office

Lab No : Demo Visit No  
Registration On : 21-Jan-25 12:50  
Patient ID : UHID.DEMO.001

| Hb Electrophoresis         |        |                               | EDTA Whole Blood Sample      |                              |
|----------------------------|--------|-------------------------------|------------------------------|------------------------------|
| Accession No: DEMO_BARCODE |        | Collected On: 21-Jan-25 12:50 | Received On: 21-Jan-25 18:53 | Approved On: 21-Jan-25 20:13 |
| Observation                | Result | Unit                          | Biological Ref. Interval     | Method                       |
| Hb F                       | <0.8   | %                             | 0.00-2.00                    | HPLC                         |
| A1c                        | 5.2    | %                             | 4.0 - 6.0                    | HPLC                         |
| Peak 3(P3)                 | 4.9    |                               |                              |                              |
| A0                         | 83.7   | %                             |                              | HPLC                         |
| Hba2                       | 3.4    | %                             | 1.50 - 3.70                  | HPLC                         |
| Hb D                       | Nil    | %                             | 0.02                         | HPLC                         |
| Hb S                       | Nil    | %                             | 0.00 - 0.02                  | HPLC                         |
| Hb C                       | Nil    | %                             | 0.00 - 0.02                  | HPLC                         |
| Hb E                       | Nil    | %                             | <0.02                        | HPLC                         |
| Unknown (Unidentified)     | Nil    | %                             | <0.02                        | HPLC                         |
| Other (Non Specific)       | Nil    | %                             | 0.00 - 10.00                 | HPLC                         |

**Impression:** HPLC findings are within normal limits.

**Low Hb A2 levels are seen in:**

- Iron-deficiency anemia
- Delta-beta Thalassemia (HbF is also elevated)
- Alpha Thalassemia trait
- Hb H disease
- Delta Thalassemia
- Additional delta chain variant

**Borderline high hemoglobin F levels are seen in:**

- Children below 2 years of age often have raised fetal hemoglobin levels.
- Second trimester of pregnancy.
- Thyrotoxicosis
- Certain drug therapies in pregnancy like Hydroxyurea, Erythropoietin, etc.
- Carcinoma with metastasis to bone marrow
- Chronic Kidney Disease
- Hereditary persistence of fetal hemoglobin (HPFH). This condition does not have any significant clinical implications.
- Some individuals with hematological disorders (aplastic anemia, MDS, JMML, PNH, Megaloblastic Anemia, AML-M6)
- In approximately 30% of Beta Thalassemia trait patients.

**Note:**

1. Hb Electrophoresis (HPLC) is a screening test.
2. In case of Abnormal findings, the result should be confirmed by DNA Analysis and Parenteral Screening.

**Sample Type:** EDTA, Whole Blood Sample

**Method:** Ion Exchange High-Performance Liquid Chromatography

**Analyzer:** Fully Automated Analyzer: Bio-Rad, D-10

**Remarks:** Please correlate clinically.



This is a Demo Signature  
and the doctor's signature should appear here

In case of any unexpected or alarming results, please contact us immediately for re-confirmation, clarifications, and rectifications, if needed.



There may be an additional PDF attachment in this report which has been redacted for privacy.  
Please contact [info@hod.care](mailto:info@hod.care), if you would like to make a booking for this test.