



# Hb Electrophoresis

HPLC (High-performance Liquid Chromatography)

One of the best methods for screening & detection of various hemoglobinopathies

A Rapid, Accurate & Reproducible tool for early detection and management of various Haemoglobin disorders

- Detection of Abnormal Hb, keeping in mind the high prevalence of Hb A2 in India, will help in prevention of more serious hemoglobinopathies including Beta Thalassemia major.

*Indian Journal of Pathology and Microbiology – 53(1), January-March 2010*

- Helps in quantification of Haemoglobins (Hbs) like HbA, HbA2 and HbF.

*Indian J Pathol Microbiol. 2003 Jul;46(3):390-3.*

## Indications/Applications

Indications and applications of hemoglobin electrophoresis include the following:

- Evaluation of unexplained hemolytic anemia
- Microcytic anemia unrelated to iron deficiency, chronic disease, or lead toxicity
- A peripheral smear with abnormal red cell features (eg, target cells or sickle cells)
- Positive family history of hemoglobinopathy
- Positive neonatal screen results
- Positive results on sickle cell or solubility test