

**GLYCOSYLATED HEMOGLOBIN ANALYZER – 1No.****Doc. No: ST/12/Gly-Hem-Analyzer/2016-17/17****Application :**

For complete diabetes and b-thalassemia testing, enabling rapid Hb A1c or HbA2/F/A1c.

**Features :**

- It should be an automated, integrated system dedicated to HbA1c, Thalassaemia and Hemoglobinopathy testing and screening based on HPLC technology.
- The system should contain low pulsation dual piston pump with programmable solvent delivery system.
- The system should be able to screen and quantitate hemoglobins Hb A2, Hb A, Hb F and Hb A1c and detect the most commonly occurring abnormal hemoglobins like HbS, Hb D, Hb E, Hb C, Hb Q-India and other rare abnormal hemoglobins.
- To analyze HbA1c within 3mins
- Software for real time viewing of sample analysis
- Facility for direct loading of primary samples without sample preparation
- Simple to operate
- Fully automated with barcode reading and primary tube sampling
- To report HbA1c results in the presence of Hemoglobin S, C and other Hemoglobin variants
- Visual display of the Chromatogram results to be available on the screen
- Certified by the NGSP (National Glyco hemoglobin Standardization Program) to be traceable to the DCCT (Diabetes Control and Complications Trials) reference method.
- Provision for expandable to higher volumes
- The system should have in-kit external standards for instrument calibration ensuring accurate quantitation of results
- The company should have external quality assurance service (EQAS) for hemoglobin variants
- Provision for off-line library of chromatograms for result interpretation.
- Simplified user maintenance

**Specifications :**

- Switching between HbA1c and b-thalassemia testing without changing reagents or cartridge
- Complete b-thalassemia program including HbA1c results
- Assay time for HbA1c not more than 3mins
- Comprehensive testing of b-thalassemia and diabetes testing
- Simultaneous quantitative HbA2, HbF and HbA1c determination
- Accurate HbA2 and HbF results within 7minutes

**Essential :**

- **Three years comprehensive and two years non comprehensive AMC.**
- **The offer must be complete**
- **Necessary calibration kit to be supplied to check the performance during installation.**

D-10™ Dual Program Reorder Pack.(400 HbA1c tests or 200 HbA2/F/A1c tests)	- 2nos.
Lyphochek® Diabetes Control Bilevel (3 each of 2 levels). . . (6 x 0.5 mL)	- 2nos.
Lyphochek® Hemoglobin A2 Control Bilevel (2 each of 2 levels). . (4 x 1 mL)	-1no.
Lyphochek® Hemoglobin A1c Linearity Set (1 each of 4 levels).(4 x 0.5 mL)	-1no.

- **Any items required to complete the system may be quoted**