

Sealed Quotations/Bids (One technical and one financial separately) are invited from manufactures or their authorized dealers for the following item which should be sealed by the tenders in separate covers duly super scribed and both these sealed covers are to be put in a bigger cover, which should also be sealed and duly super scribed. On the terms and conditions mentioned on page No. 15.03.2018 by 2:00 PM

**Technical specifications of HPLC for haemoglobinopathies & HbA1c**

**1. Parameter/detect all haemoglobin variants**

- HbA                      HbA1c
- HbA2                    HbC
- HbD                      HbE
- HbF                      HbE

**2. Number of tests 500 to 1000**

**3. Analysis time within 10 minutes**

**4. Limit of quantification**

- HbA2: 2%
- HbF: 1%

**5. Linearity**

- HbA2: up to at least 75 to 80%
- HbF: up to at least 70 to 80%

**6. Recovery**

- HbA2: 100%, HbF: 99 to 100%

**7. Intraassay CV < 8**

**8. Intraassay CV < 4%**

**9. Colum temperature**

- Ambient temperature (25<sup>0</sup>C approximate)

**10. Flow rate**

- 1.5ml/min

**11. Specimen**

- Whole blood

**12. Sample preparation**

- Dilute 5 to 8 ul whole blood with 1 ml hemolysis reagent, mix well.
- Inject 10 to 20 ul of the hemolysis mixture into the HPLC system.

Samples prepared as above can be stored at ambient temperature for about 24 hours, at +2to+8<sup>0</sup>C up to 36 h, frozen below - 18<sup>0</sup>C up to 3 months.

**13. Sample stability**


At ambient temperature approx. 3 days. At + 2 to + 8 <sup>0</sup>C up to 1 weak and below 18<sup>0</sup>C up to 6 months. Once thawed, samples should not be refrozen.

**14. Injection volume**

10-20 ul


**15. Clear indentifiable peaks and reliable values**

P.T.O

  
CHAIRMAN  
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## Terms & Conditions:

1. Make, mode, rate and tax details must be clearly mentioned in the quotations.
2. Only typed quotations/tenders bearing GSTIN No. on original letter head will be entertained and please provide GST-HSN code on each item separately.
3. Manufactures/authorised dealer's certificate must be attached with quotations/tenders.
4. The firm must be registered supplier in central purchase organization (e.g. DGS & D) national small scale industries/central purchase office. AMU, Aligarh.
5. List of users for the quoted item with contact no. should provided, photocopy of purchase order along with terms and conditions of contract received from any govt./public sector institution in last 3 years for supply of offered equipment must be enclosed with the price bid.
6. Installation and commissioning will be the responsibility of the supplier and after sales service should provided.
7. Cutting/over writing on quotations/ tenders will not be accepted.
8. The equipment/instruments might be called for demo, and approval. It is sole discretion of the department to approve or disapprove the quality.
9. The instruments/equipments should be rust proof, made from surgical grade stainless steel and should be CE European/ US FIDA certification
10. Comprehensive onsite warranty 03 years.

  
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