All India Institute of Medical Sciences
Jodhpur

Admn//Prop/12/2017-AIIMS.JDH Dated: - 06th October 2017.

Subject: Purchase of HPLC dedicated for Haemoglobinopathy detection for the department of Biochemistry at AIIMS, Jodhpur on proprietary basis - **Inviting comments thereon.**

The Institute is in the purchase of HPLC dedicated for Haemoglobinopathy detection for the department of Biochemistry at AIIMS, Jodhpur from M/s Bio-Rad Laboratories, Diagnostics Group, 4000 Alfred Nobel Dr. Hercules, CA 94547-1803 on proprietary basis. The proposal submitted by M/s Bio-Rad Laboratories (I) Pvt. Ltd, 86-87, Bio Rad House, Udyog Vihar IV, Gurgaon-122016, Haryana, India and PAC certification by user are attached.

The above document are being uploaded for open information to submit subjection, comments, if any from any manufacturer regarding proprietary nature of the equipment within 21days of issue giving reference Admn/Prop/12/2017-AIIMS.JDH. The comments should be received by office of Administrative Officer, Medical College at AIIMS, Jodhpur on or before 27th October 2017 upto 03:00 PM failing which it will be presumed that any other vendor is having no comment to offer and case will be decided on merits.

Yours faithfully,

Administrative Officer

Enclosed: Related documents enclosed.

BIO-RAD

Bio-Rad Laboratories
(India) Private Limited
(A Wholly Owned Subsidiary)

86-87,BIO RAD HOUSE
Udyog Vihar Phase IV
Gurgaon-122016, Haryana, India
Tel: 91-124-4029300, 4029350
Fax: 91-124-2398115
Email-sales.india@bio-rad.com

Authorization Certificate

21st January, 2017

To,
The Director
AIIMS – Jodhpur

Dear Sir,
We hereby confirm that the under-mentioned is our authorized distributor for your esteemed institute.

M/s Raizada Associates
327, 3rd Floor Agarwal Tower
2nd "B" Road, Sardarpura
Jodhpur
Rajasthan- 342002
Contact Person: Mr. Ashok Raizada
Mobile: 09414100689
e-mail: raizada7@yahoo.com

They are authorized to represent us, quote prices, collect order, supply our kits, instruments, reagents and raise his own bills and collect payment on our behalf.

Regards

For
BIO-RAD Laboratories India Pvt. Ltd.

Authorized Signatory

Love Kumar

Bio-Rad
Laboratories (India) Private Limited
(A wholly owned subsidiary

"Bio-Rad House", Plot # 86-87
Udyog Vihar Phase - IV
Gurgaon-122015, Haryana
Phone: (91)-124-4029300
Fax: 91-124 - 2398115
E-mail: sales.india@bio-rad.com
Tech Support : 1800 180 1224, 09873177477
www.bio-rad.com

Registered Office : Plot No. 1270 Basement, Lal Dora, Village Kapashera,
Opposite Fun-Food Village, New Delhi - 110037. Tel : 91-11-25065913
CIN No.: -U32109DL1996PTC078494

Date 5th Jan' 2017

TO WHOM SOEVER IT MAY CONCERN

This is to certify that " **Variant II™Hemoglobin Testing System**" is a proprietary system of Bio-Rad Laboratories, USA for thalassemia and hemoglobinopathy testing. As per our knowledge, there is no other manufacturer in the world for this kind of integrated HPLC testing system and meant for the analysis of Adult screening for thalassemia and hemoglobinopathies using the **Variant II™Beta thal Short Program**.

Salient features of the system are:

1. Primary tube sampling
2. Automated bar code reading
3. Direct storage of chromatograms
4. Quality control monitoring
5. Offline library of variants
6. Accurate identification of HbA2 & F
7. Detection of HbS, D, C, E, Q, Lepore and many other variants
8. Calibration for HbA2 & F
9. Processing of results by Clinical Data Management Software (CDM)
10. Market leading accuracy & reproducibility

The following consumables used on **Variant II ™ Hemoglobin Testing System** are proprietary of Bio-Rad Laboratories , USA.

- Variant II ™ Beta Thal Short Reorder Pack, 500 Tests (Cat no. 2702154)
- Variant II™Sample Vials 1.5 ml (Cat no. 2702149)
- Variant II™B-Thal Calibrator (Cat no. 2700083)
- Variant II™Microvial Adaptor 10PK (Cat no. 2702016-10)
- Whole Blood Primer 10 X 1 ml (Cat no. 2700351)

For and on behalf of

Bio-Rad Laboratories (India) Pvt. Ltd.

Authorised Signatory

S. No: 5

Specification for HPLC dedicated for Haemoglobinopathy detection

1. Automated HPLC system, dedicated to Thalassaemia and hemoglobinopathy testing and screening.

2. The system should be able to screen and quantitate hemoglobins Hb A2, Hb A and Hb F and detect the most commonly occurring abnormal hemoglobins like Hb S, Hb D, Hb E, Hb C, Hb Q- India, Hb D-Iran and other rare abnormal hemoglobins.

3. The system should have the provision of presumptive identification of Hb Barts and Hb H and various alpha chain variants like Hb J Meerut, etc

4. The company should have an installation base in India and should be able to provide the relevant product and service support

5. The company should have atleast 10 years of presence in India with availability of system & reagents for thalassaemia and hemoglobinopathy testing.

6. The system should have spinning of vacutainer before aspiration to avoid improper sampling.

7. The system should have automatic barcode positioning facility.

8. The system should be quoted with a complete ready to use reagent kit and not individual items so that all the reagents are of the same lot.

9. The buffers should be provided with in plastic tanks to view the levels of buffers during the run.

10. The system should have an offline CD-ROM which should be a searchable database with approximately 200 chromatograms of fully classified abnormal hemoglobins and thalassemias.

11. The system should be used in govt. thalassaemia screening programs in India and the user list of the thalassemia kit should be provided.

12. The system should have an on board QC Menu capable of storing the quality control data and printing the standard deviation and Coefficient of Variation values.

13. The company should provide normal and abnormal third party controls for Hb A2, Hb F and Hb S and provide External Quality Assurance Scheme (EQAS) to help compare results with similar users worldwide.

14. The system should have dedicated computer and software, which enables the system for bidirectional interfacing. Moreover the software should have customized reporting format, giving info on the subtype and quantity of hemoglobin detected. Also the software should enable result storage of minimum 5000 chromatograms.

15. It should have a built in column thermostat for reproducibility of results.
16. The system should be capable of holding 10 racks at a time so that it can be used for at least 100 vials at a time
17. The system should have alarms for overflow of waste tank.
18. The reagent containers should have a capacity of more than 1.5 litres so that the user does not need to change buffers regularly.
19. The HPLC system should have a dual piston pump so that each elution buffer has a different pump and the buffers work efficiently.

Dr Praveen Sharma