

**ALL INDIA INSTITUTE OF MEDICAL SCIENCES  
ANSARI NAGAR, NEW DELHI-110029  
STORES SECTION (DO)**

**Ref. No. 39/Stores (DO)/TII/Proprietary/2016-17/FSC Dated 24.01.2017**

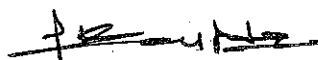
**Sub:- Purchase of Bio-analyzer** for the department of TII, (AIIMS), New Delhi-29, on proprietary basis **Inviting comments thereon.**

\*\*\*\*\*

The Institute is in the process to purchase **Bio-analyzer** for the department of TII (AIIMS), New Delhi from M/s. Agilent Technologies India Pvt. Ltd., Mumbai through their authorized Indian Agent M/s. LCGC Life Sciences LLP, New Delhi on proprietary basis. The proposal submitted by M/s.LCGC Life Sciences, New Delhi and PAC Certifications are attached.

The above documents are being uploaded for open information to submit objections, comments, if any, from any manufacturer regarding proprietary nature of the equipment/item within issue of 15 days giving reference No. **39/Stores (DO)/TII/PAC/2016-17/FSC.** The comments should be received by office of Sr. Stores Officer (DO), Store Section (DO), Animal House Building, Near Biotechnology Building at AIIMS on or before **08.02.2017 upto 12.30 p.m.**, 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,



**SR. STORES OFFICER (DO)**

**Encl: Related documents enclosed**

Department of Transplant Immunology & Immunogenetics  
All India Institute of Medical Sciences  
New Delhi - 110 029

Proprietary Article Certificate for procuring the goods from a single source under the provisions of sub Rule 154 (i) and 154 (iii)

- (v) The indented goods are manufactured by : M/s. Agilent Technologies, Germany.
- (vi) No other make or model is acceptable for the following reasons: The Agilent Bioanalyzer is able to give a highly accurate quantification of Nucleic Acids (DNA/RNA) even in the presence of contaminants and consumes only a miniscule amount (1.0µl) of DNA/RNA samples.

The highly advanced molecular diagnostic services offered by our department demand very high quality DNA/RNA preparations. The two main parameters to be assessed are DNA/RNA quality and its precise quantitation. The most commonly used technique for this is to determine the absorbance at 260nm on a UV-spectrophotometer. One major disadvantage to using UV based analysis is the impact of sample contaminants such as genomic DNA or phenol, which also absorb at 260 nm, thereby giving false quantitation readings. To achieve higher sensitivity and to detect DNA/RNA more specifically, intercalating dye based systems are also used. Unfortunately, such dye based analysis cannot discriminate between RNA and genomic DNA contaminants, thereby affecting concentration measurements. Additionally, contaminants like phenol can yield irreproducible data.

The Agilent Bioanalyzer 2100 in combination with the RNA 6000 Nano LabChip kit uses a radical new technique for the measurement of RNA. This method offers the advantage of accessing RNA integrity, along with precise quantitative measurement. The RNA 6000 Nano assay uses a fluorescent nucleic acid stain for the quantitation of RNA and the full system consists of a computer, microfluidic chips, cooled reagents, and the Agilent 2100 Bioanalyzer instrument. Using microfluidic technology, the system achieves separation of charged biological molecules (DNA, RNA, and proteins) and cell parameters in an automated process that reduces sample handling variability as compared to standard UV and fluorescence based analysis.

Since M/s. Agilent Technologies is the sole manufacturer of Bioanalyzer 2100 it is proposed by us that the same may be procured on Proprietary Article basis. The relevant documents for the same are attached herewith.

Dr. No. 769  
28/9/16

Dr. Angel Rajan Singh  
सहायक आचार्य / Assistant Professor  
अखिल भारतीय आयुर्विज्ञान संस्थान/AllMS  
अंसरी नगर, नई दिल्ली / Ansari Nagar, N.D-29

F. & CAO (vii)

Office P 237941

Parthaprasad Chattopadhyay, M.D, Ph.D  
Professor  
Department of Biochemistry  
All India Institute of Medical Sciences  
New Delhi-110 029

Dr. Sanjiv Goswami  
सहायक आचार्य / Assistant Professor  
अखिल भारतीय आयुर्विज्ञान संस्थान/AllMS  
अंसरी नगर, नई दिल्ली-29

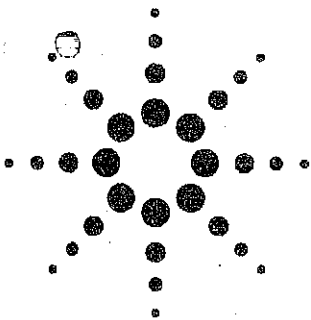
Dr. Tarun  
7/10/16

(Signature)

(Signature with date and designation of the procuring officer)

Dr. D.K. Mitra, Head  
Department of Transplant Immunology & Immunogenetics  
All India Institute of Medical Sciences  
New Delhi-110029

Dr. Uma Kanga  
Dr. Uma Kanga  
Scientist-II  
Department of Transplant Immunology & Immunogenetics  
All India Institute of Medical Sciences  
Ansari Nagar, New Delhi-110029



Find an Agilent customer center in your country:  
<http://www.agilent.com/chem/contactus>


## Proprietary Certificate

The following features ensure the Agilent 2100 Bioanalyzer instruments (models G2939A or G2938C) sold with Part numbers G2939AA, G2940CA, G2943CA, or G2938C, are proprietary items manufactured by Agilent Technologies:

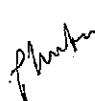
- The 2100 Bioanalyzer system uses microfluidics technology for the analysis of biological samples.
- The 2100 Bioanalyzer system enables high resolution separation and quantification of DNA, with sensitivity as low as 0.1 ng/ $\mu$ L.
- Unique RNA Integrity Number (RIN) algorithm is included for unbiased total RNA integrity assessment.
- The 2100 Bioanalyzer system uses user-replaceable electrophoresis cartridge.
- The G2938C model may be easily upgraded for flow applications with an exchangeable flow cytometry cartridge.
- Agilent offers dedicated kits for highly sensitive analysis during NGS and miRNA sample processing.
- Agilent offers system validation services (IQ & OQ) and an expandable feature for 21 CFR part 11 compliance.
- The Bioanalyzer Expert Software offers a color-coded result flagging tool, an easy-to-use rule-defined system for automated QC and data evaluation.
- The Bioanalyzer Expert Software allows quick comparison of up to 48 samples within one chip or across multiple chips.
- The Bioanalyzer Expert Software offers native XML export for seamless data integration across platforms and projects.

The Agilent 2100 Bioanalyzer system is covered by the following patents: USRE39527E1, US8346486B2, JP4664280B2, DE10315581B4, US6353475B1, US6504607B2, EP1187677B1, US6811668B1, and US7449098B2.

Agilent Technologies is the sole manufacturer of the 2100 Bioanalyzer system and this product is not manufactured by any other firm in India / Abroad.

  
Melissa Huang Liu, Ph.D.  
Product Manager  
2100 Bioanalyzer System & Consumables









**Agilent Technologies**





G2939-90100

Part Number: G2939-90100

Edition 12 / 03

Printed in Germany

© Agilent Technologies, Inc., 2013

Agilent Technologies

Hewlett-Packard-Strasse 8  
76337 Waldbronn, Germany



**LCGC LIFE SCIENCES LLP**  
203 & 204, 2nd Floor, Pocket II,  
Shree Durgaji Shopping Complex,  
Mayur Vihar-I, New Delhi - 110 091.  
Phone : 011-22756195 / 011-  
22790140 Telefax : 011-22794814  
Email : delhi@lccgindia.com  
www.LCGCINDIA.COM

**Quotation**

**Our Ref: LCGC/Quote/2016-17/6328A**

**Date: 21.09.2016**

To,  
The Head  
Dept. of Transplant Immunology & Immunogenetics  
AIIMS, New Delhi

Dear Sir,

With reference to our discussion please find the quotation. The given price is for your information. We are sure that you will find our price competitive and we are looking forward for the placement of your valuable order.

| Sl. No.           | Cat. No.         | Item and Specification   | Qty | Total (CBW/INR) |
|-------------------|------------------|--|-----|-----------------|
| 01                | G2938C & G2947CA | <b>2100 Bioanalyzer</b><br>2100 Agilent Bioanalyzer system<br>With includes original bioanalyzer 2100 Expert software, Instrument license, chip priming station, Chip vortexer, and accessories. Electrophoresis set includes electrode cartridge, Electrophoresis licenses installation and fertilization with branded laptop | 01  | 19,95,000.00    |
| 02                | 5067-1511        | RNA 6000 Nano Kit  | 03  | 1,93,710.00     |
| 03                | 5067-4626        | High Sensitivity DNA Kit   | 10  | 3,47,120.00     |
| 04                | 200820           | AccuScript HighFidelity 1stStrnd cDNASynthKt   | 02  | 48,130.00       |
| Total Price - CBW |                  |  |     | 25,83,960.00    |

Kolkata | Ahmedabad | Bangalore | Chennai | Chandigarh | Delhi | Mumbai | Surat | Indore | Pune | Goa

**LCGC LIFE SCIENCES LLP**

203 & 204, 2nd Floor, Pocket II,  
Shree Durgaji Shopping Complex,  
Mayur Vihar-I, New Delhi - 110 091.

Phone : 011-22756195 / 011-

22790140 Telefax : 011-22794814

Email : delhi@lccindia.com

www.LCGCINDIA.COM

**Terms and Conditions for Quote in Indian Rupee (INR) :-**

1. Delivery- 3-4 weeks from date of placing confirm purchase order.
2. Warranty-5 years from the date of installation and demonstration of system.
3. Price: - Quoted price are inclusive of all charges. The prices quoted are F.O.R. basis.
4. Quotation Validity- 120 days
5. Order: - Order to be placed in favour of LCGC LIFE SCIENCES LLP, Hyderabad.
6. **Company Information:**
  - a) Company Name: LCGC LIFE SCIENCES LLP
  - b) Address: LCGC TOWERS, 161/166, PAIGAH COLONY NEAR ANAND THEATRE, S.P ROAD, HYDERABAD - 500 003.
  - c) TIN No. - 36805952712
  - d) PAN No. AAEFL8473G
7. Payment- 100% payment after successful installation and demonstration of system. Payment to be made through Demand draft in favour of LCGC Life Sciences LLP.  
**Bank Details:**  
Bank Name: AXIS Bank Ltd.  
Address: 6-3-479/8, FIRST FLOOR, G- PULLA REDDY BL.  
GREENLANDS, BEGUMPET ROAD, HYDERABAD - 500 016  
Account Number: 913020026565328.  
RTGS Allas IFSC Code: UTIB0000008.  
MICR Code: 500211002
8. Customer shall provide valid road permit to get the shipment done.
9. The quoted Price is duty unpaid. At the time of shipment customer shall provide valid custom duty exemption certificate & applicable duty (CDEC and DSIR) certificate.
10. Order Should be E-mail to [subratpaul@lccindia.com](mailto:subratpaul@lccindia.com)/ [faraha@lccindia.com](mailto:faraha@lccindia.com)  
Please feel free to reach us for any further clarification.

For LCGC LIFE SCIENCES LLP



(Authorized Signatory)

Kolkata | Ahmedabad | Bangalore | Chennai | Chandigarh | Delhi | Mumbai | Surat | Indore | Pune | Goa