

ALL INDIA INSTITUTE OF MEDICAL SCIENCES
ANSARI NAGAR, NEW DELHI-29.
STORES SECTION (DO)

Ref. No. 36/Stores (DO)/Biochem/PAC/2017-18/FSC

Dated-24/11/2017

Sub:- Purchase of "Extracellular Flux Analyzer" for the Department of Biochemistry, (AIIMS), New Delhi-110029, on proprietary basis Inviting comments thereon.

The Institute is in the process to purchase **Extracellular Flux Analyzer** for the department of Biochemistry, (AIIMS), New Delhi from **M/s. Agilent Technologies Singapore (International) Pte. Ltd. through M/s. Labmate (Asia) Pvt. Ltd. Chennai, New Delhi.** The PAC Certifications by M/s. Agilent Technologies Singapore (International) Pte. Ltd as well as the user department 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 15 days from the date of issue/uploading of the notification giving reference No. **36/Stores (DO)/Biochemistry/PAC/2017-18/FSC.** The comments should be received in office of Stores Officer (FSC), Store Section (DO), Animal House Building, Near Biotechnology Building at AIIMS on or before **09/12/2017** 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,


STORES OFFICER (FSC)

Encl: Related documents enclosed.

PROPRIETARY/SPECIFIC BRAND GOODS CERTIFICATE

FOR EXTRACELLULAR FLUX ANALYSER (AGILENT TECHNOLOGIES)

1. Item/Type/Model No. Required along with : Seahorse XFe24 Analyzer
2. Is the item a spare part attachment or accessory for an existing equipment : NO
3. Name of the manufacturers/supplier of the item proposed by the indenter : Agilent/Labmate (Asia) Pvt. limited
4. Are they sole manufacturers/sold distributors limited are only authorized vendors in India. : Yes, Labmate (Asia) Pvt.
5. Is there any other item with similar/equivalent specification available in the market to meet the the why the same can't be procured. Demanding officer should bring out comparative functional advantages/cost effectiveness of the recommended from these offered by other. : There is no other such equipment that can simultaneously measure both metabolic parameters i.e. extracellular acidification rate (ECAR) and oxygen consumption rate (OCR) in item cells
6. What were the efforts made to locate alternative Source of supply of use other substitutes : Review of existing equipment using scientific search methodology and inquiry.
7. Why open / limited tender can't be resorted to, for locating alternative source : There are no alternative sources
8. Are the proprietary items certifying that the rates are reasonable or not : Yes
9. Any other justification for procuring item from Source : The analysis of metabolic flux, that is, the balance of metabolic activity of the cells, is a very unique measurement that can be done only by this instrument available with vendor mentioned in the PAC.

Signature of Indenter
(Demanding officer)

Dated: 14/7/17

Dr. N.R. Singh
Head, L
AIIMS, New Delhi-110029

Dr. Archana Singh
MD, PhD, MPH
Sah-Acharya/Associate Professor
जैव रसायन विज्ञान विभाग/Deptt. of Biochemistry
अ.भा.आ.स., नई दिल्ली/A.I.I.M.S., New Delhi-110029

Dr. Anurag Agrawal, MD, PhD
वरिष्ठ वैज्ञानिक / Sr. Scientist
जीनोमिक्स और समावेशी जीन विज्ञान विभाग
Institute of Genomics & Integrative Biology
अ.भा.आ.स., नई दिल्ली/A.I.I.M.S., New Delhi-110029

Dr. Sudip Sen, MD, PhD
Associate Professor
Department of Biochemistry
All India Institute of Medical Sciences
Ansari Nagar, New Delhi - 110029

Countersigned
(Head of the Department)

Dr. S. Chauhan
Professor & Head
Department of Biochemistry
All India Institute of Medical Sciences
Ansari Nagar, New Delhi-110029

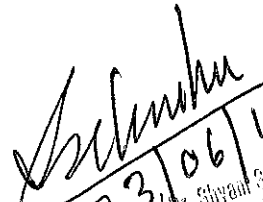

Dr. Parthaprasad Chattopadhyay, MD, PhD
Professor
Department of Biochemistry
All India Institute of Medical Sciences
New Delhi-110 029, INDIA

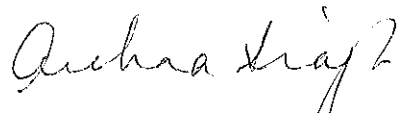
JUSTIFICATION FOR PURCHASE OF EXTRACELLULAR FLUX ANALYSER AS A PROPRIETARY ITEM


The tender is being floated for proprietary item for the Agilent seahorse biosciences Flux analyser. This is a state of art equipment for assessing metabolic changes in cells under different conditions. This is currently the only equipment that can simultaneously measure both the oxygen consumption rate (OCR) and extracellular acidification rate (ECAR) in living cells. Therefore, it is useful in assessing metabolic changes in a much more convenient and sensitive manner. It uses a very sensitive fiber optic cable generated signal via fluorophores upon sensing changes in the cellular environment including the oxygen consumption rate and lactate production. Over 2500 publications in the past few years have included research done on the extracellular flux analyzer.

It is being extensively used across specialties including but not limited to mitochondrial studies, aging research, cancer and cell metabolism research, hypoxia assays, immune ology, obesity and metabolic disorders among many others. The past decade has seen numerous publications, exceeding 2500, across research domains from laboratories across the world. Acquiring this equipment would add a very strong value to our postgraduate teaching curriculum and the existing research capacity of not only the department of biochemistry, but also the institute would be greatly upgraded. Many faculty conduct in vitro and in vivo studies on metabolism in many diseases and this equipment would add a very robust data component to their work.

The equipment has a very small footprint and costs per sample come to under 20\$ per sample. It does not need have any special installation except the need for a dedicated clean and air-conditioned space.


23/06/17

Dr. Shyam S. Chhabra
Associate Professor & Head
Dept. of Biochemistry
जैव रसायन विभाग
अखिल भारतीय आयुर्विज्ञान संस्थान
All India Institute of Medical Sciences
जवाहर नगर, नई दिल्ली-29/Aur. An Nagar, New Delhi-29




डॉ. अर्चना सिंह/Dr. ARCHNA SINGH
MD, PhD, MPH
सह-आचार्य/Associate Professor
जैव रसायन विज्ञान विभाग/Deptt. of Biochemistry
अ.भा.आ.स., नई दिल्ली/A.I.I.M.S., New Delhi-110029



Agilent Technologies

June 9, 2017

Agilent Seahorse Products Sole Source and Distribution in India

To Whom It May Concern:

Agilent Seahorse XF Analyzers are the first and only commercially available instrument line for scientific research that measures both energy producing pathways simultaneously in living cells in microplates.

The first Seahorse XF Analyzer was installed at a customer site in June of 2006. In October 2007, the United States patent office issued Seahorse patent # 7276351 covering the novelty of the measurement for measuring multiple physiological properties of cells. Numerous additional patents have been granted further establishing this technology as unique. On November 1 2015, Agilent Technologies acquired Seahorse Bioscience. Now over 5000 world renowned scientists are utilizing Agilent Seahorse XF technology.

On the following page is a list of unique technical features not found in any other instruments qualifying the Agilent Seahorse XFe and XFp Analyzers for a sole source purchase.

Our Distributor in India, namely Labmate (Asia) Pvt Ltd as mentioned below and its branch offices, are authorized to quote and supply the Instrument on our behalf.

Labmate (Asia) Pvt Ltd.
183, Baid Mehta Complex
Mount Road, Chennai - 600015
INDIA

Sincerely,

6/9/2017

X Sarah E. Burroughs

Sarah E. Burroughs
Product Manager
Signed by: BURROUGHS

Sarah E. Burroughs, Ph.D.
Product Manager, Seahorse XF Instruments
sarah.burroughs@agilent.com

Sole Source Letter – Agilent Seahorse XFe/XFp Extracellular Flux Analyzer

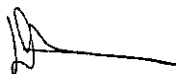
Dear Researcher,

Thank you for your interest in the Agilent Seahorse XFe and XFp (Extracellular Flux) Analyzers. Agilent Seahorse XF metabolic analyzers and stress test kits make cellular bioenergetic studies simple, efficient and user-friendly. Agilent Seahorse XF metabolic analyzers are the only commercially available instruments for scientific research that simultaneously measures the two major energy producing pathways of the cells—mitochondrial respiration and glycolysis-- in living cells, in real time, in a microplate. Researchers are utilizing Agilent Seahorse XF technology for faster, better, and more accurate measurements of cellular metabolism.

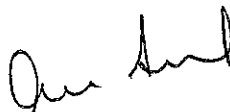
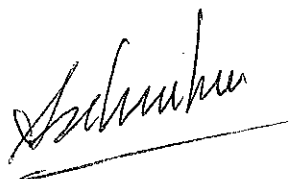
With offices worldwide, Agilent Seahorse XF customers include scientists at academic institutions, pharmaceutical and biotech organizations. Agilent Seahorse XF technology users have published over 2500 peer-reviewed articles in top journal using the XF technology platform, demonstrating that Agilent Seahorse XF technology has set the standard in the rapidly growing field of cell metabolism.

The following page is a list of unique technical features not found in any other instruments qualifying either The Agilent Seahorse XFe or XFp Analyzer for a sole source purchase.

Sincerely,



David A. Ferrick, PhD
Senior Director of Marketing- Seahorse XF Products
david.ferrick@agilent.com



PROPRIETARY ITEM TENDER

Specifications for: EXTRACELLULAR FLUX ANALYSER

(Approx. Cost. Rs.1.60 Cr.)

A. Instrument requirements:

1. Instrument should be able to **simultaneously** measure oxygen consumption rate (OCR), extracellular acidification rate (ECAR) of living cells simultaneously using an optical sensor technology optimized for use in tissue culture microplate format.
2. The instrument optical sensors should not be affected by drugs added or intracellular dye fluorescence.
3. Instrument should allow simultaneous measurement in 24 wells in a tissue culture microplate format.
4. A minimum of **4 drug injection ports** for measurement of effect of test compounds should be available per well with wide range of injection capacity.
5. Measurement should be completely non-invasive and should not require addition of dyes, labels or reporters.
6. The data acquisition, recording and calculation of OCR and ECAR rates calculation should be continuous with short time frames less than 10 minutes.
7. The instrument should be able to measure kinetic responses over at least 2 hours.
8. No cleaning of instrument for usage should be required. All parts that contact cells, media or drugs should be disposable.
9. Instrument should be able to measure OCR and ECAR in both adherent and suspended cells.
10. Instrument should have flexibility to allow on OCR and ECAR in an automated manner.
11. Measurement chamber should be temperature controlled with a precision of ± 0.5 degrees
12. Instrument should be in a compact bench-top configuration.

B. Instrument software and user interface:

13. User-instrument interface should have a high resolution, color LCD **touch screen controller with integrated computer.**
14. Data management software should be user-friendly permitting assay designing using common formats like Microsoft Excel® spreadsheet
15. Software should have capability for simultaneous OCR, ECAR and the carbon dioxide production rate (CDPR) display in a single chart.
16. There should be provision for unlimited-use license of software for one institution.

C. Maintenance and warranty

17. A compatible online 3KVA power back up must be included to provide 1 hour power backup and suitable Voltage Stabilizer should be provided.
18. The equipment should be CE (Europe)/US FDA certified and UL listed.
19. Biannual preventive maintenance should be provided.
20. Vendor should submit an undertaking from manufacturer the responsibility of maintenance in case of merger or acquisition.
21. Only Principal Companies or Authorized Distributors from Principal companies should quote. Quotations from non - authorized distributors will not be entertained. Features in the quotations should be substantiated with proper Principal Company Catalogue.
22. System should operate under a Quality Management System which complies with the requirements of ISO 9001:2008 for design, manufacture and services.
23. Should be CE (Europe)/UL /EMC/CSA certified.
24. Copies of all certifications e.g. Quality Standard certificate, Proprietary Item/parts, Patent of parts/ technology, Principal company/Authorised Distributorship should be attached with the quotations.

Phanish 21/1/17
Kapoor
Sudip Sen
Vijay
B. R. Rao
Anand
S. Chandra
Contd... P.2.
(Dr B.C. KASI)

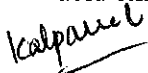
25. In-House Service Engineers from principal company/ or authorised agents should be available in India on one-day notice basis in case of emergency (this will apply for those equipment wherein this clause is not built into the specification).
26. Compliant points should be given (in the sheet) in order of the specifications' serial order. Compliant points should be highlighted in the company catalogue with page number. Must include: User's list (at least 3 recent national users preferably within 2 years) with telephone numbers and email address.
27. Rate list of spares should be provided.
28. A rate contract for all the consumables (including kits and panels) should be made & the rates should be frozen for 5 years. In case of decline in price, these should be offered.

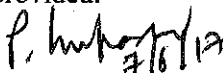
CMC

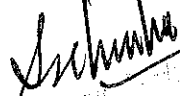
- The first 5 years warranty should be all inclusive.
- 5 years CMC (6th-10th years) after completion of the 5 years warranty period with spares and labor should be quoted. The price of CMC will be added to cost of the equipment for calculating L1.
- Penalty clause: Direct presence in India with strong after-sales technical and service support and must ensure that all faults are rectified within one week, failing which would lead to extension of warranty by twice the period of downtime. The warranty should be all inclusive.

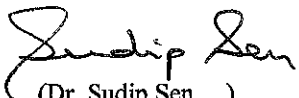
D. Training and support

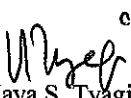
29. On site, hands-on training should be included in the cost quoted.
30. At least two Start-up kits along with sufficient and appropriate buffer solutions, cartridge packs (18 cartridge flux packs), cell culture microplates designed for the 24 well assays and 5 liters of base medium for the model being cited should be provided;
One cell energy phenotype stress kit, mitochondrial stress kit, packs containing consumables for the assays including plasma membrane permeabilization reagent, calibrant and substrates for fatty acid oxidation assays should also be provided.


(Dr. Kalpana Luthra)
Professor of Biochem.

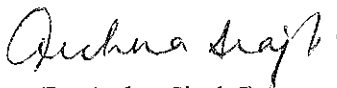

(Dr. P. Chattopadhyay)
Prof. & F/In-charge(Store)
Dept. of Biochemistry

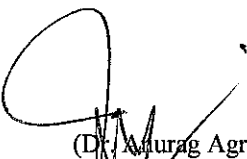

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(Dr. Sudip Sen)
Assoc. Prof. of Biochem.

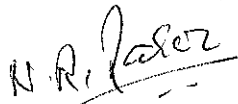

(Dr. Jaya S. Tyagi)
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(Dr. N. Madaan)
Rep. of M.S., AIIMS


(Dr. Archana Singh-I)
Assoc. Prof. of Biochem.


(Dr. Anurag Agrawal)
Principal Scientist, CSIR
Mall Road, External Expert
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Dr. ANURAG AGRAWAL M.D., Ph.D.


(Dr. B.C. Rabi)
Principal Scientist, CSIR
Mall Road, External Expert
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Principal Scientist, CSIR
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(VMC, Safd Hospital)
External Expert, Rep. of DGH


(Dr. N.R. Jagannathan)
HOD of NMR, AIIMS
Member of SPC

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