

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

**Ref. No. 03/Stores(DO)/Anat/PAC/2019-20/FSC**

**Dated-22/06/2019**

**Sub:- Purchase of "Automated Immunoblotting System – 01 No." for the Department of Anatomy at AIIMS, New Delhi-110029, on proprietary basis inviting comments thereon.**

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The Institute is in the process to purchase "Automated Immunoblotting System – 01 No. at AIIMS, New Delhi from M/s. Protein Simple through M/s. System & Controls. The PAC Certifications by M/s. Protein Simple, USA 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 day from the date of issue/uploading of the notification giving reference No. 03/Stores(DO)/Anatomy/PAC/2019-20/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 15/07/2019 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.

Item:

Automated Immunoblotting System

Quantity:

1

Estimated Cost:

Rs. 85 lakhs

2

- Should be a nano-volume size-based protein separation platform used to quantify protein profiles of clinical/experimental specimens.
- Instrument should be automated for all steps of protein analysis including sample loading, size-based protein separation, immunoprobng, washing, detection and data quantification
- Should make at least 25 measurements in a single experiment, in a highly quantitative manner, minimizing errors due to manual variability (CV less than 5% for similar loading).
- Should make rapid and quantitative measurements
- Should rapidly generate protein profiles for clinical/experimental specimens
- Should require neither gel, nor blots for size-based immunoblotting
- Molecular weight sizing, quantitation, and immunodetection of proteins should be performed in a nano-immunoassay system that utilizes at least 25 nos. of at least 5 cm long, at least 100  $\mu$ m inner diameter capillaries that should allow for the separation, capture and covalent immobilization of proteins from a wide array of samples using nanoliter volumes, and subsequent immunoassay detection in the same vessel/capillary
- Should be capable of analyzing at least 25 samples simultaneously in a single assay cycle accessed from a microtiter plate using primary and secondary antibodies also accessed from this microtiter plate.
- Should collect up to at least 25 data points in a single experiment from a maximum volume of 5  $\mu$ L of sample
- Should be capable of calibrating each capillary independently
- Immunoassay should be able to utilize chemiluminescent method of detection for quantitation of target proteins.
- The software should allow the user to define the samples and assays to be assigned and then automatically perform sample uptake, separation, protein immobilization, immunoassay and chemiluminescent detection without further user involvement
- The software managing the apparatus should be user-friendly
- Software should perform post-run analysis of the chemiluminescent and biotinylated molecular weight standard data to assign molecular weight to the target protein being detected.
- Run time should be within a maximum of three hours for at least 25 samples
- Robotic/automated systems should prepare capillaries for sample uptake
- Should automatically wash capillaries, remove matrices and perform automated immunoassay steps incubating of primary and secondary antibodies and protein blocking steps
- Should automatically introduce chemiluminescent reagents for immunoassay detection
- Should have sizing range of protein detection between 2-440 kDa and it should have the sensitivity to detect proteins at a concentration of at least 1 nanogram/ml, resolution of at least 10% of molecular weight of the protein that has a molecular weight > 20KDa.
- Software should be able to perform relative quantitation of identified peaks by total area or peak height
- The software should be able to export data to spreadsheet or other optional data analysis and presentation packages
- Free upgrades of the software should be provided during the period of warranty
- The system should have the capability to calculate endogenous proteins as well as calculate native proteins without making a gel

#### DATA PROCESSING UNIT/COMPUTER AND PRINTER DEVICE:

Branded computer Intel Quad-core processor, 1TB HDD or higher, 8 GB RAM, 21-24" high resolution LCD / TFT color monitor, Latest Windows professional operating system (with free upgrades provided during the period of CMC as per AIIMS rules and essential upgrades of hardware if the OS requires such upgrade), 1GB graphics card, LAN card, scroll mouse, multimedia keyboard kit, DVD writer, high-resolution color LASER printer with high resolution for photo quality image documentation.

- All required kits for running at least 1000 sample points should be provided free of cost

*[Signature]*  
31/1/2019

*[Signature]*  
31/1/2019

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- (3)
- All accessories and spares required for the proper and complete functioning of the equipment must be included in the quote.
  - The rate list of all spares/consumables should be included in the financial quote.

#### GENERAL CLAUSES

- **Equipment will be selected only after proper demonstration.**
- **Technical Features/Specifications in the quotation should be substantiated with proper Principal Company Catalogue that should be available in print form.**
- Provide list of users and performance certification (performance for about fifteen years) of the microscope in at least twenty institutes of national importance
- Service track record for at least 15 years
- Microscope should be fully manufactured by the principal company
- Provision for biannual preventive maintenance
- 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.
- Should operate under a Quality Management System which complies with the requirements of ISO 9001:2008 for design, manufacture and services.
- Should be CE (Europe)/UL /EMC/CSA certification
- 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.
- In-House Service Engineers from principal company/ or authorised agents should be available in India on one-day notice basis in case of emergency
- 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: A. User's list with telephone numbers and email address.
- Vendor should submit an undertaking from manufacture the responsibility of maintenance in case of merger or acquisition.
- **A performance certificate from at least 2 users should be provided, which should not be older than 6-months of having made the quotation.**

#### CMC

- The 5 years warranty should be all inclusive (comprehensive).
- 5 years CMC (6th-10th years) after completion of the 5 years warranty period with spares and labor. 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. (Penalty clause is applied to equipment costing above 10 Lakhs/unit)

*[Signature]*

*Ranjan Roy*

*Ashwini*

*Rajendra*

*Punit Kumar*  
31/1/2019

*Renu Shingher*

*[Signature]*

PROPRIETARY/SPECIFIC BRAND GOODS CERTIFICATE

01.	Item/Type/Model No. required along with specification	SIMPLE WESTERN Gel-free, blot-free, hands-free, Nano-immuno assay system for Protein Sizing, Quantitation and Immunodetection Model: WES Catalog # 004-600 (Specifications attached)
02.	Is the item a spare part attachment or accessory for an existing equipment	No
03.	Name of the manufactures/Supplier of the item proposed by the Indenter.	<u>Systems &amp; Controls</u> 506, Shahpuri Tirath Tower, C-58, Community Centre, Janak Puri, New Delhi-110058
04.	Are they sole manufactures/sold distributors of the item	Sole distributor
05.	Is there any other item with similar/ equivalent specification available in the market to meet the job requirement envisaged. If the answer is yes, why the same can't be procured. Demanding officer should bring out comparative functional advantages/ cost effectiveness of the recommended item form these offered by other.	No
06.	What were the efforts made to locate alternative source of supply of use other substitutes.	Patent of the technology covered by US patents 8,021,611; 7,935,489; 7,935,479; 7,935,308; 7,846,676, Internet search, enquiries from other manufacturers
07.	Why open/limited tender can't be resorted to for locating alternative source.	Patented item. No alternatives available
08.	Are the proprietary items certifying that the rates are reasonable or not.	Yes
09.	Any other justification for procuring item from single source.	Size based separation of proteins is important for the identification and qualification of protein targets. Specifically, the ability to perform true quantitation of protein in a highly reproducible and timely manner is crucial to successful characterization. The Wes system can detect proteins at low picogram level and has the unique ability to perform fully automated size-based separation utilizing only nanoliter amounts of test material. Assays can be carried out in 3 hours and fully analyzed data is available upon completion of the experiment.

*Demander Officer*  
Signature of Indenter  
(Demanding Officer)

*Demander Officer*  
31/1/19  
COUNTER SIGNED  
(Head of the Department)

I certify that the item at Sr. No. 1 above is required to be procured on single tender basis as the source of is definitely known/the specified brand proposed was advantages in meeting our functional requirements cited tender system could be dispensed with as they would serve no useful purpose in this particular case.

*Ashtam*  
31.1.19.  
31/1/2019

*Pratibha*  
31/1/2019  
*Renu Shingler*

protein**simple**

a biotechne brand

To Whom It May Concern:

**SUB: PROPRIETARY CERTIFICATE for WES from ProteinSimple**


This is to certify that the Wes system from ProteinSimple is a proprietary, automated size-based separation and nano-immunoassay platform for the detection and characterization of protein molecular weights in denatured protein lysates.

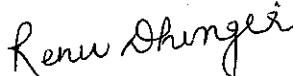
The Wes system can detect proteins at low picogram level and has the unique proprietary capability to perform fully automated size-based separation utilizing only nanoliter amounts of test material within a capillary, automatically, without user intervention. Assays can be carried out in 3 hours and fully analyzed data is available upon completion of the experiment. ProteinSimple's Simple Western technology is proprietary and is covered by US patents 8,021,611; 7,935,489; 7,935,479; 7,935,308; 7,846,676 and additional issued and pending patents in the U.S. and other countries (attached).

Sincerely

  
Vikram Singh

Country Manager, India  
July 16, 2018







25  
protein simple

a biotechne brand

March 15 2018

The Director  
All India Institute of Medical Sciences  
Ansari Nagar, New Delhi-110029,  
India.

Dear Sir,

**SUB: AUTHORIZATION CERTIFICATE**

We, ProteinSimple, who are proven and reputable manufacturers of ALPHAMAGER & FLUORCHEM GEL AND WESTERN BLOT IMAGING & ANALYSIS SYSTEMS, SIMPLE WESTERN PLATFORMS, ICE, MAURICE, MFI, SIMPLE PLEX AND MILO having factories at 3001 Orchard Parkway San Jose, California, 95134 USA, hereby authorize M/s Systems & Controls, 506, Shahpuri Tirath Singh Tower, C-58, C Block, Community Center, Janakpuri, New Delhi - 110058 to submit a bid, process the same further and enter into a contract with you against your requirement for the above goods manufactured by us.

We also state that we are not participating directly in this bid for the following reason(s): We are quoting through our Authorized Distributor, M/s Systems & Controls, 506, Shahpuri Tirath Singh Tower, C-58, Janakpuri, New Delhi - 110058

We further confirm that no supplier or firm or individual other than Messrs. Systems & Controls, 506, Shahpuri Tirath Singh Tower, C-58, Janakpuri, New Delhi - 110058 is authorized to submit a bid, process the same further and enter into a contract with you against your requirement for the above goods manufactured by us.

We also hereby extend our full warranty, CAMC as applicable as per clause 15 of the General Conditions of Contract, read with modification, if any, in the Special Conditions of Contract for the goods and services offered for supply by the above firm.

We also hereby confirm that we would be responsible for the satisfactory execution of contract placed on the authorized agent and the spares for the equipment shall be available for at least 10 years from the date of supply of equipment.

We also confirm that the price quoted by our agent shall not exceed the price which we would have quoted directly"

Sincerely

  
Vikram Singh  
Country Manager, INDIA


ProteinSimple  
3001 Orchard Parkway, San Jose, CA 95134  
T 408 510 5500 F 408 510 5599  
proteinsimple.com