

All-India Institute of Medical Sciences
Ansari Nagar, New Delhi-29.
(RESEARCH SECTION)

Ref. No. 41/Stores/Anat/AS/2016-17/RS

Dated: 17.12.2016

Subject: Purchase of Orion Versa Star, for the Department of Anatomy, AIIMS, New Delhi-29 on proprietary basis- Inviting comments thereon.

The request has been received from Dr. A. Shariff, Deptt. of Anatomy, AIIMS to purchase the subject item from M/s Thermo Fisher Scientific, USA on proprietary basis. The proposal submitted by M/s Thermo Fisher Scientific, USA, 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. 41/Stores/Anat/AS/2016-17/RS**. The comments should be received by office of Stores Officer (RS), Research Section at AIIMS on or before 02/01/2017 upto 12:00 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.

STORES OFFICER (RS)

Encl: Related documents enclosed.

1. PAC Certificate enclosed.
2. Specification of equipment.

Technical specifications
Fluoride Ion Meter for measurement of fluoride in low volume samples
(less than 2ml of serum, urine, water etc).

1. Display should be large colour LCD which can show various parameter(s) together or each parameter individually.
2. Display should also provide additional information showing readings with connections, time, date, sample ID, User ID, Calibration information, temperature, etc.,
3. There should be at least five calibration points.
4. Meter should have Auto Read continuous display facility
5. Ion Selective Electrode (ISE) measurement should have Auto Blank, Linear point to Point & Non linear point to point modes.
6. Should be stable at low concentration ranges.
7. Free online Software up-gradation facility should be provided.
8. Data logging: 1500-2000 measured values with time and date stamp
9. Ports: At least 2 USB for data transfer & 1 RS232 for printer
10. Power : Universal AC Power Adapter, 90- 260 VAC, 50-60 Hz & should be able to work with Car charging point/12 volts battery.
11. Selective Fluoride Ion Electrode with following specifications:
 - a) Range : 0 to 100
 - b) Resolution : Up to 4 significant digits
 - c) Relative Accuracy : ± 0.2 mV or $\pm 0.05\%$ of reading whichever is greater
 - d) Units : ppm, M, mg/L,
 - e) Calibration Points : at least 6
 - f) Calibration Editing : Required
 - g) Sample type : Capable to measure fluoride in low volume serum, urine, tissue ash, water etc.
 - h) Sample quantity : 2ml or less
 - i) Detections range : 0.02 ppm or less and 100 or more
12. Essential accessories to be supplied with equipment:
 - a) Fluoride Combination, Epoxy Body Electrode (2Nos).
 - b) Fluoride Calibration Standard, 100 ppm, 475 ml (1no.)
 - c) Fluoride Calibration Standard, 1.0 ppm 475 ml (1no.)
 - d) TISAB III, 475 ml (2nos)
 - e) TISAB II, 1 gallon (1no)
 - f) Electrode filling solution, 5x60 ml in one packet
 - g) Electrode holding Stand (1no.)
13. Essential Certifications: CE and ISO
 - The supplier should provide 3 year warranty for the equipment & 2 year AMC
 - Supplier should provide list of Indian users of the equipment in diagnostic labs/ hospitals during the last five years.

Date : 24th Novemeber 2016

PROPRIETARY CERTIFICATE

To,
Prof. A. Shariff
Department of Anatomy
All India Institute of Medical Sciences,
Ansari Nagar
New Delhi.

Sub : Proprietary Certificate

Dear Sir,

This to certify that Model Orion VERSA STAR Advanced Electrochemistry Meter which is used for Estimation of Fluoride Concentration in Drinking Water, Urine and Serum Samples, is being solely manufactured by M/s Thermo Fisher Scientific, USA. No other company is manufacturing similar product with similar specifications to the best of our knowledge. Some of the features like auto blank in non linear curve, low concentration range stability and Calibration Edit, which are essential in very low range are unique & are proprietary to Thermo Fisher Scientific.

Thank you and look forward to work with you.

Yours faithfully,

for **Thermo Fisher Scientific**,



Ankush Dayal.

Business Development Manager- India
Water Analysis Instruments

