

ALL INDIA INSTITUTE OF MEDICAL SCIENCE
ANSARI NAGAR, NEW DELHI-29
STORE S SECTION (DO)

Ref. no:- 01/Madhulika/Peads/Tender/21-22

Date: 15/02/2022

Sub:- Purchase of "DNA Storage" -01Nos. for the Department of Pediatrics, Division of Genetics at AIIMS, New Delhi-1110029, on proprietary basis inviting comments thereon.

The Institute is in the process to purchase "DNA Storage system" -01 Nos. for the department of Pediatrics, Division of Genetics at AIIMS, New Delhi from M/s LVL Technologies GmBH & Co. GK through M/s Bioscreen Instruments Pvt Ltd. The PAC Certifications by M/s LVL Technologies GmBH & Co. GK, 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. **01/Madhulika/Peads/Tender/21-22** . The comments should be received in office of Dr. Madhulika Kabra, Old OT Block, First Floor Room no-113, Genetic Unit, AIIMS New Delhi on or before 3rd March. 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,


Dr. Madhulika Kabra

डॉ. मधुलिका काबरा / Dr. Madhulika Kabra
आचार्य / Professor
आनुवांशिकी एकक (बालरोग चिकित्सा विभाग)
Division of Genetics (Department of Pediatrics)
आ.आ.सं., नई दिल्ली / A.I.I.M.S., New Delhi
DMC Regn. No. 16803

Encl: Related documents enclosed.

2D Barcoded Tubes:

Estimate Cost : Recurring item (1): Tube 1.0ml : 2,89,840, (qty-4800),
Annual consumption: Rs. 72/- each tube, per year qty-2000 (approx).
Nonrecurring items (2)(3)(4): Quotation attached.

- 1 ml cryotubes should have laser etched Barcodes – 2D at the bottom and 1D at the side's
- Should have option for **human Readable standard side code** in the tubes.
- The tubes should be provided with the **96 SBS format Racks for holding the tubes**.
- The Tube Rack should be made of **Polypropylene**.
- Should have option for **Side lock or push lock** in rack's to avoid loss of samples or tubes.
- The Rack should have **2D orientation code at the base** and 1D Barcode at the side of the Rack.
- Should be able to withstand temperature of up to **--80 Degree Celsius**.
- Tubes should be employed with **2 phase - TPE compression** instead of traditional O ring type to avoid liquid leaks and to preserve samples.
- The 2D tubes should have been manufactured under clean room conditions ISO8.
- Should have option for **free color selection of screw caps** if required to distinguish between the sample's based on years.
- The tubes must be provided with **External screw caps** to avoid cross- Contamination and sample stability with Minimum height to cover maximum space in storage area.
- 2D tubes with external threads in the 96 SBS format should be supply with 1ml volume capacity & Qty 4800 Tube with Racks.
- Tubes and bottoms produced should be with one shot moulding to laser etch which is irreversible and unique data matrix code.

BARCODE READER: Qty. 01

- The system should be a fast camera based reader.
- Easy export to **MS Excel, text, JSON, XML and image files**
- Small footprint (slightly wider than an SBS rack)
- Additional option should be available with linear barcode reader for **simultaneous scanning of the side 1D barcode**
- Should be available with **cryoprotection** to prevent cloudiness
- USB or RJ45 connector should be available
- The system should be provided with decoding software with lifelong, free upgrades
- Dimensions: 152 x 174 x 146 mm

Dr. Madhumita Roy Chowdhury
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Rashmi Shukla

Dr. RASHMI SHUKLA
Scientist-II/वैद्यनिका
Department of Pediatrics/बाल चिकित्सा विभाग
AIIMS, New Delhi/ए.आ.ए., नई दिल्ली

- Should be able to **differentiate** between correctly scanned tubes (green), incorrectly scanned tubes (red) and missing tubes (gray).
- The system should be pre calibrated and ready to use.
- The compatibility (e.g. picking) should be **guaranteed** with all automated storage system.
- Decapper or tube picker should be also quote for single tube access.
- The reader should allow imaging under difficult lighting conditions.

Deep Freezer -20 (Qty. 01)

- Model EFSV 340 - 3Y
- Gross Capacity (Ltrs) 340
- Dimension (W×D×H Inch) 24 x 25 x 73
- Temperature Range – 16°C ~ – 25°C
- Microprocessor Controller Yes
- Refrigerant R600a
- Lock Optional
- No. of Shelves/Drawers 2 + 5 Drawer
- Wheels 2 (Rear)
- Key Features
- Quick freezing function
- High temperature visual alarm
- Energy rating A+
- Power consumption 0.89 units / 24 hrs
- Tropicalized at 430c
- Right hand hinged reversible door
- Sealed drawers - prevent frost loss from open door
- 80 mm thick puff insulation
- Environment friendly CFC free refrigerant
- Heavy duty condenser suitable for Indian conditions
- Digital Display
- Multiple size pullout door /drawer for flexible storage

Madhumita Roy Chowdhury

Dr. Madhumita Roy Chowdhury
Senior Scientist
Pediatrics

Pari

Rashmi Shukla

Dr. RASHMI SHUKLA/डॉ. रश्मि शुक्ला
Scientist-II/विज्ञानिक-II
Department of Pediatrics/बाल चिकित्सा विभाग
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20xWTP

ALL INDIA INSTITUTE OF MEDICAL SCIENCES
ANSARI NAGAR, NEW DELHI - 110029
Proprietary Article Certificate (PAC) (Machinery & Equipment)

- (i) The indented goods are manufacture by **M/s LVL Technologies GmbH & co. KG & the Product is being purchased through their authorized distributor M/s Bioscreen Instruments Pvt. Ltd.**
- (ii) Item Name: **DNA Storage System**
- (iii) Model No: **2DSC-X10-BL-NS-SLC-L**
- (iv) Vital Technical Performance Parameters required which makes the requirement proprietary **Specifications has been enclosed, Highlighted in the catalogue. (Annexure 5)**
- (v) No other make or model is acceptable for the following reasons: **Similar items with equivalent specifications are not available from other manufacturers.**

It is certified that market survey has been done and found that no other manufacturer is manufacturing similar/equivalent specifications which can fulfill the vital requirements of end user.

Signature of TSEC

With Name, Designation, Department and Hospital/Institute/DGHS

Dr. P. S. Sharma
Biochemist
Gd. Floor, Genetic Unit,
Dept. of Pediatrics,
AIIMS, New Delhi-110029

##Note: TSEC should clearly mention the vital functional parameters requirements which end user essentially require and are manufactured by only one manufacturer mentioned in Serial No. (i).

Rashmi Shukla
Department of Pediatrics,
AIIMS, New Delhi-110029

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Dr. Arvind Bagga
Professor
Department of Pediatrics
All India Institute of Medical Sciences
New Delhi-110029



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To whom it may concern

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

Dated: 01-12-2021

Subject: Proprietary Certificate

Dear Sir,

LVL technologies GmbH & Co.KG certify that the wet in wet technique is patented and our proprietary product. The official patent no. is 3003556. We are the only manufacturer on the market using this molding technique to laser tech an irreversible and unique Data Matrix Code on the bottom of the individual biobank tubes.

We declare that required Storage Tubes under the patent no. 3003556 is not manufactured by any of the manufacturer worldwide in best of our knowledge.

LVL technologies GmbH & Co. GK

Martin von Lueder
General Manager

Dr. Madhumita Roy Chowdhury
Senior Scientist
Division of Genetics
Department of Pediatrics
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New Delhi - 110029

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To whom it may concern

SECTION-XII MANUFACTURER'S AUTHORISATION FORM

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

Dated : 01-12-2021

Dear Sir,

Ref: No **BS129R3/2021-22/ND25** Dated-**01.12.2021** We, **LVL Technologies GmbH & Co.KG.Theodor Storm StraÙe 17 74564 Crailsheim, Germany** who are proven and reputable manufacturers of **Barcoded Tubes and Racks for DNA storage** having factories at **Theodor Storm StraÙe 17 74564 Crailsheim, Germany**, hereby authorise Messrs **Bioscreen Instruments Pvt. Ltd., No. 2/8, 27th Street, 7th Avenue (Opp. YMCA) Ashok Nagar, Chennai – 600 083, Tamil Nadu (INDIA)** to submit a bid, process the same further and enter into a contract with you against your requirement as contained in the above referred TE documents for the above goods manufactured by us. We also state that we are not participating directly in this bid for the following reason(s): **Can not offer directly in India because working with distributors only**. We further confirm that no supplier or firm or individual other than Messrs. **Bioscreen Instruments Pvt. Ltd.**, is authorised to submit a bid, process the same further and enter into a contract with you against your requirement as contained in the above referred TE documents 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 against this TE document. 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”

LVL technologies GmbH & Co. GK

Martin von Lueder
General Manager

Handwritten signature
Senior Scientist
Genetics Unit,
Department of Pediatrics,
A.I.I.M.S. New Delhi 110029

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Dr. Madhumita Roy Chowdhury
Senior Scientist
Division of Genetics
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