



अखिल भारतीय आयुर्विज्ञान संस्थान, जोधपुर
All India Institute of Medical Sciences, Jodhpur
अनुसंधान अनुभाग
Research Section

Res/Prop/01/2022-AIIMS.JDH

Dated: 26 /04/2022

Subject: Purchase of Trans-Blot® Turbo™ Transfer System for the Extramural Research Project at Research Section, AIIMS, Jodhpur on proprietary basis - **Inviting comments thereon.**

The Institute is in the purchase of Trans-Blot® Turbo™ Transfer System for Extramural Research Project at Research Section, AIIMS, Jodhpur from M/s Bio-Rad Laboratories Pvt. Ltd., USA on proprietary basis. The proposal submitted by M/s Genetix Biotech Asia Pvt. Ltd., New Delhi and PAC certification by user are attached.

The above documents are being uploaded for open information to submit objection, comments, if any from any manufacturer regarding proprietary nature of the equipment within 21 days of issue giving reference Res/Prop/01/2022-AIIMS.JDH. The comments should be received by office of Dean (Research), Research Section at AIIMS, Jodhpur on or before 16/05/2022 upto 03:00 PM failing which it will be presumed that any other vendor is having no comment to offer and case will be decided on merits.

Dean (Research)

Enclosed: Related documents enclosed.

Special Price Sales Quotation

All India Institute of Medical Sciences Jodhpur
 The Dean
 AIIMS Jodhpur
 Basni Industrial Area Phase-2,
 Jodhpur - 342005
 IN
KIND ATTENTION

Customer GSTIN No: 08AAAGA0038H1ZY
 Company's GSTIN No. 07AABCG4572B1ZY
 Company's TIN No. 07300252410
 Company's PAN No. AABCG4572B

Doc No.	181110
Date	08-March-2022
Customer No.	E.mail dt.7.3.22
Valid Date	06-July-2022
Dispatch Through	
Destination	
Payment Term	Against Delivery
Delivery	3-4 Weeks
Warranty	5 years

Place of Supply 08-Rajasthan

S. No.	Product Code	Product Description	Qty.	UOM	Unit Rate (INR)	Vendor Name	Taxable Value	IGST	
								Rate	Amount
1	1704150	Trans-Blot® Turbo™ Transfer System HSN # 90272000 Group - Instruments & Equip.	1	no	295,238.10	Bio-Rad Laboratories (India) Pvt Ltd		IGST 5	
2	1704270	TBT RTA Transfer Kit,NitroMini HSN # 39211900 Group - Chromatography	1	no	0.00	Bio-Rad Laboratories (India) Pvt Ltd	0.00	IGST 5	0.00

Remarks/Special Instructions

* GST@5% will be applicable against the DSIR Certificate and End Use declaration only.
 * In the absence of required documents GST will be charge as actual.

Total Before Tax	
TOTAL IGST TAX	
Others	
Grand Total INR	

Amount (In Words)

INR. Three Lakhs Ten Thousand rupees and One paise only

Purchase Order & Draft in Favour of:-

Genetix Biotech Asia (P) Limited
 71/1 First Floor, Najafgarn Road,
 New Delhi : - 110015
 Ph: 011-45027000 (Direct)
 Ph: 011-45027000 (Board)
 E-mail:- info@genetixbiotech.com

For Further Assistance:-

Genetix Biotech Asia Pvt Ltd.
 71/1 First Floor Shiva Ji Marg
 New Delhi-110015
 Website:www.genetixbiotech.com
 E-mail:info@genetixbiotech.com
 Phone- 011- 4502 7000, Fax- 011- 2541 9631

[Handwritten Signature]

[Handwritten Signature]



CIN : U24239DL2001PTC112768

AN ISO 9001:2008 Certified Company.

"No Credit of Special Additional Customs Duty (SAD) is Admissible"

SUBJECT TO DELHI JURISDICTION

Registered office: C-88 Ground Floor, Kriti Nagar, New Delhi-110015, Ph- 41424816, 251122146, Fax- 2546737
 Branch Office: Unit No 318-319, Third Floor Wing A, Kanara Business Center, Ghatkopar (East) Mumbai- 400075, Telefax-022-25006834,25003897
 806,Rajaji Nagar,Ind Stage, IV Main A Block,Bangalore-560010,Phone 080-65744321,Telefax-08023577513
 2nd Floor, Thakker House,Plot No.38, Survey No.502, 503, Vijaya Puri Colony Kapra, Hyderabad-500062 Phone # 040-20980148 Telefax # 040-40161304, 42024387

Nikam nitkugach



Bio-Rad
Laboratories (India) Private Limited
(A wholly owned subsidiary)

EMAAR Digital Greens, 9th Floor,
Tower A, Sector-61, Golf course extension,
Gurgaon -122102
Tel. : (91)-124-4029300
Email : sales.india@bio-rad.com
Tech Support: 1800-103-1224, 09873177477
www.bio-rad.com
GST No.: 06AAACB3202A1ZR



Registered Office: Plot No. 1270 Basement, Lal Dora, Village Kapashera,
Opposite Fun-Food Village, New Delhi - 110037. Tel: 91-11-25065913
CIN No.: - U3210+DL1996PTC078494, GST No.: 07AAACB3202A1ZP

Ref No. BRI/LSG/N/105/2022
Date: March 10, 2022

To,
The Director,
AIIMS,
Basni Industrial Area Phase-2,
Jodhpur – 342005.

Sub. : Authorization Letter

Ref Quote No. 181110, DT: 8 March 2022

Dear Sir,

We, **M/s. Bio-Rad Laboratories (India) Pvt. Ltd.**, office at Bio-Rad Laboratories (India) Pvt. Ltd., EMAAR Digital Greens, 9th Floor, Tower A- Sector 61, Golf Course Extension, Gurgaon-122 102, Haryana, India, are the 100% subsidiary of M/s. Bio-Rad Laboratories Inc., 1000 Alfred Noble Drive, Hercules CA 94547 USA.

We hereby confirm that **M/s. Genetix Biotech Asia Pvt. Ltd.**, 71/1, First Floor, Shivaji Marg, New Delhi – 110015, India is our authorized distributor. They are authorized to submit quote, negotiate, accept order, supply material and accept payment on behalf of us for the Bio-Rad make products under LSG product category.

For any further assistance, you may contact **Bala Krishan –Account Manager – LSG** on 9953667552, email id bala_krishan@bio-rad.com, for above enquiry.

Thanking you and assuring you of our best possible services and attention always.

Thanks & Best Regards,

For Bio-Rad Laboratories India Pvt. Ltd.

DocuSigned by:

Rony Banerjee

BCADC16C51D1489...

Rony Banerjee
Head Life Sciences-India

DocuSigned by:

Amit Gaur

34B51B3866834EF...

Amit Gaur
Accounting Manager



Vikram Mohanlal



Bio-Rad
Laboratories, Inc.

Life Science Group
2000 Alfred Nobel Drive
Hercules, California 94547
Phone: 510-741-1000
Fax: 510-741-5800

PROPRIETARY CERTIFICATE

This is to certify that *Trans-Blot® Turbo™ Transfer System p/n 170-4150* is a product of Bio-Rad Laboratories, Inc., 1000 Alfred Nobel Drive, Hercules, California 94547 USA, which is covered by the following US patents and related applications owned by Bio-Rad Laboratories, and foreign equivalents thereto:

U.S. Patent No. 8,075,755 (Polymeric Sorbent Sheets for Western Blotting), Issued 13 Dec 2011, Expires 16 Nov 2029

U.S. Patent No. 8,444,839 (Polymeric Sorbent Sheets for Western Blotting), Issued 21 May 2013, Expires 13 Dec 2027

U.S. Patent No. 8,192,601 (Electroblotting System), Issued 05 Jun 2012, Expires 03 Jan 2031

U.S. Patent No. 8,715,476 (Instrument for independent electrotransfer in multiple cassettes), Issued 06 May 2014, Expires 08 Dec 2030

U.S. Patent No. 8,357,278 (Electroblotting Cassette with Integrated Electrical Contacts and Rotary Locking Mechanism), Issued 22 Jan 2013, Expires 30 Aug 2031

For Bio-Rad Laboratories Inc.

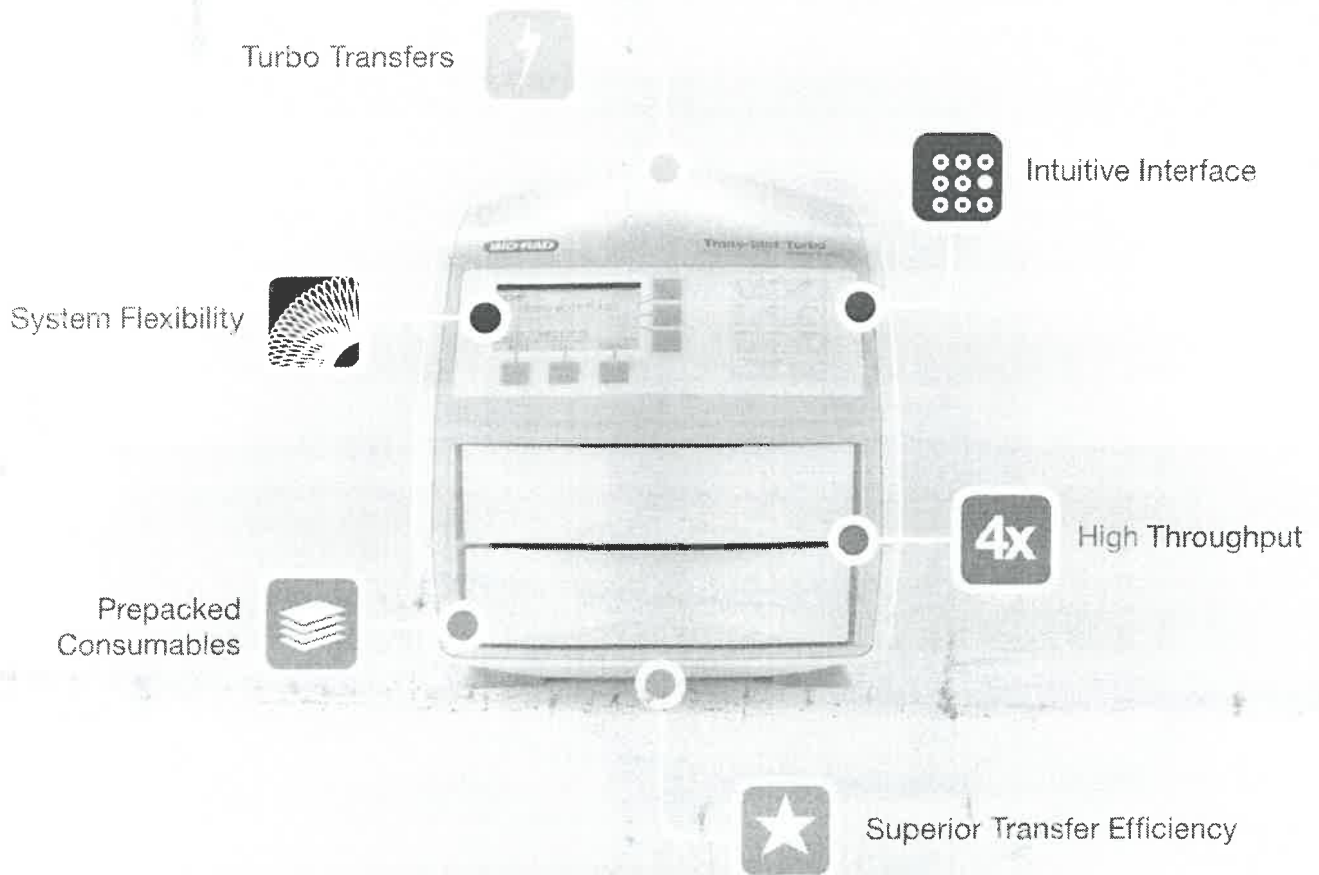
Authorized Signatory

Patricia Gee
Regulatory Affairs Representative

Witarn Wibisyaet



The Trans-Blot Turbo is a fast, efficient, and reproducible transfer system for transferring proteins from gels to membranes in as little as 3 minutes.



Bio-Rad introduces the Trans-Blot Turbo System — the next innovation in protein transfer. The Trans-Blot Turbo System reduces transfer protocols for gels to as little as 3 minutes while maintaining high efficiency, high throughput, and the flexibility to run turbo or traditional semi-dry protocols.



Turbo Transfers with Trans-Blot Turbo Transfer Packs

- **3-minute protocol** — a single Mini-PROTEAN® TGX™ Gel (for proteins with MW 5–150 kD) can be transferred in as little as 3 min
- **7-minute protocol** — up to 4 mini or 2 midi gels with mixed-molecular weight proteins (MW 5–150 kD) can be efficiently transferred in 7 min
- **10-minute protocol** — up to 4 mini or 2 midi gels with high-molecular weight proteins (MW 25–300+ kD) can be efficiently transferred in 10 min



3 min transfer



7 min transfer



10 min transfer

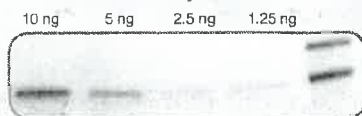
Protein transferred using different protocols. *E. coli* lysate (6 µg) was diluted twofold. Samples were separated with Mini-PROTEAN TGX Gels, transferred with the Trans-Blot Turbo System, stained with SYPRO Ruby, and imaged on a VersaDoc™ 4000 MP System. Standards in lane 1 are Precision Plus Protein™ Unstained Standards, with a top band of 250 kD.



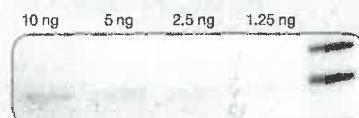
Superior Transfer Efficiency

- Higher sensitivity and better transfer efficiency is seen with the Trans-Blot Turbo System in comparison to other blotting techniques. This data set demonstrates successful transfer of the 1.25 ng protein band only with the Trans-Blot Turbo System

A. Trans-Blot Turbo System



B. Tank blot



C. Semi-dry blot



D. iBlot System (Life Technologies)



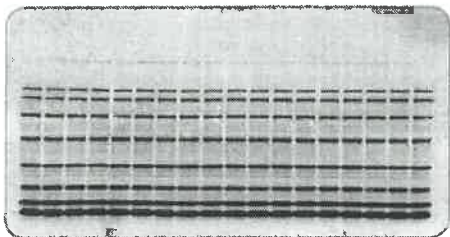
Superior transfer efficiency. Serial dilutions of transferrin were separated on a 4–20% Criterion™ TGX™ Gel and transferred using four different blotting techniques. A, Trans-Blot Turbo System (25 V for 7 min); B, tank blotting (100 V for 30 min); C, semi-dry blotting (25 V for 30 min); D, iBlot System (P3 protocol for 7 min).



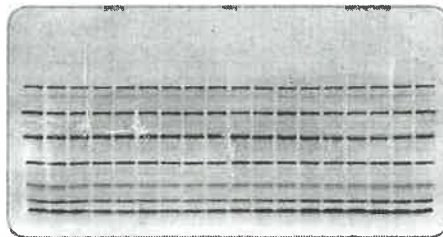
Universal Rapid Transfer

The Trans-Blot Turbo System was developed to deliver the most uniform transfer for all proteins regardless of molecular weight, post-translational modifications, or protein pI

- **6x stronger signal intensity** — signal intensities after the transfer were calculated to be 6x stronger with the Trans-Blot Turbo System compared to the iBlot System
- **50% decrease in CV** — CVs across a single blot were 50% lower with the Trans-Blot Turbo System than with the iBlot System



Trans-Blot Turbo System

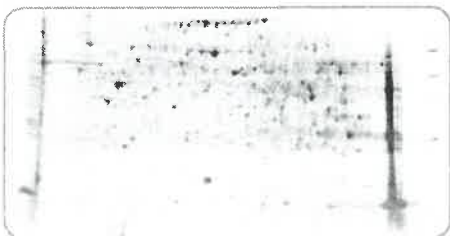


iBlot System

Intra-blot CV	
Trans-Blot Turbo System	9%
iBlot System	17%

Reproducibility across blot. Bio-Rad's SDS-PAGE Broad Range Standards were separated on 4–20% Criterion Gels and transferred with the Trans-Blot Turbo and iBlot Systems, both using manufacturers' recommended 7 min protocol. The nitrocellulose membranes were subsequently stained with SYPRO Ruby and imaged on a VersaDoc 4000 MP System.

- **2x protein transfer** — quantitation performed on equivalent 2-D gels transferred with the Trans-Blot Turbo and the iBlot Systems demonstrated twice the number of proteins transferred and detected with the Trans-Blot Turbo System



Trans-Blot Turbo System



iBlot System

2-D Spot Quantitation	
Trans-Blot Turbo System	1066
iBlot System	555

Higher transfer efficiency using the Trans-Blot Turbo System. Rat liver extract was focused on Bio-Rad's ReadyStrip™ IPG Strips (11 cm, pH 5–8) and separated on an Any kD™ Criterion™ TGX™ Gel. Duplicate gels were transferred with the Trans-Blot Turbo and iBlot Systems, both using manufacturers' recommended 7 min protocol. The nitrocellulose membranes were subsequently stained with SYPRO Ruby and imaged on a VersaDoc 4000 MP System.

