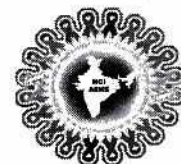




**All-India Institute of Medical Sciences  
National Cancer Institute  
Vill. Badsa, Jhajjar, Haryana-124105**



**Dated : 14.10.2020**

Ref. No.: 01/NCEST/PAC/2020-21  
~~01/Store(NCI)/PAC/2020-21/TSC~~

**Subject : Proposal for procurement of "Automated Blood Component Separation Device - 1 No. (Reveos)" for the Department of Transfusion Medicine at National Cancer Institute (NCI-AIIMS), Jhajjar-124105 on PROPRIETARY BASIS from M/s. Terumo BCT, USA through M/S. Meridian Terumo BCT, USA and invitation of comments/objections to proprietary nature of the product/equipment if any, thereof.**

The National Cancer Institute (NCI-AIIMS), Jhajjar is in the process of procurement of **"Automated Blood Component Separation Device - 1 No. (Reveos)"** for the Department of Transfusion Medicine from M/s Terumo BCT, USA through M/S. Meridian Terumo BCT, USA on PAC. The proprietary article certificate (PAC) from the principal M/s Terumo BCT, USA is attached herewith.

The above documents are being uploaded for open information to all principal manufacturer or their authorized distributor with the intention to invite objections with regard to proprietary nature of the said product if any,

The comments/objections if any, should be received in the office of Stores Officer, Store Section (NCI), Room No.- 214, 2<sup>nd</sup> Floor, OPD Block, National Cancer Institute, Village Badsa, Distt. Jhajjar, Haryana - 124105 on or before 30/10/2020 upto 05.00 PM, failing which it will be presumed that no other bidder/ manufacturer/ vendor is having any comments/objection against the proposition and the case will be decided purely on merit.

**Manohar Arya  
Stores Officer**

**Enclosures:**

- Proprietary Article Certificate from M/s. Meridian Terumo CT, USA
- Proprietary Article Certificate from Dept. of Transfusion Medicine, NCI
- Product Brochure & Technical Specification with Performa Invoice from principal
- Technical Specification duly approved by Technical Specification & Evaluation Committee

**Copy to:**

- User Department (Dept. of Transfusion Medicine, NCI) – for information only
- ✓ CF, AIIMS - with the request to upload on AIIMS Website

*to do and file. - signed M.S.P.*

26 September 2020

**Proprietary Certificate**

**To Whomsoever it may concern**

This is to certify that the equipment "Automated Blood Component Separation Device" having Make Terumo BCT & Model Reveos - 23000 as per attached technical specification is the proprietary product of M/s. Terumo BCT Inc., 10811 West Collins Avenue, Lakewood, CO 80215, United States. No other Company/Manufacturer with given specification manufactures the equipment in the world. Its accessories and consumables are equipment specific and proprietary in nature.

The items include:

Reveos Device (Catalogue 23000) with Reveos System Manager Software Application

Reveos 3 Component Set

Platelet Pooling Set



**Authorized Signatory**

**Name: Karen Lowitz**

**Designation: Regulatory Affairs Manager**

Terumo BCT, Inc.  
10811 West Collins Ave.  
Lakewood, Colorado 80215-4440  
USA  
USA Phone: 1.877.339.4228  
Phone: +1.303.231.4357  
Fax: +1.303.542.5215

Terumo BCT Europe N.V.  
Europe, Middle East and Africa  
Ikaroslaan 41  
1930 Zaventem  
Belgium  
Phone: +32.2.715.0590  
Fax: +32.2.721.0770

Terumo BCT Asia Pte. Ltd.  
89 Science Park Drive  
#04-25 (Lobby B)  
The Rutherford  
Singapore 118261  
Phone: +65.6715.3778  
Fax: +65.6774.1419

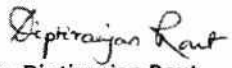
Terumo BCT Latin America S.A  
La Pampa 1517-12<sup>th</sup> Floor  
C1428DZE  
Buenos Aires  
Argentina  
Phone: +54.11.5530.5200  
Fax: +54.11.5530.5201


Terumo BCT Japan, Inc.  
Tokyo Opera City Tower 49F,  
3-20-2, Nishi-Shinjuku,  
Shinjuku-ku, Tokyo 163-1450,  
Japan  
Phone: +81.3.6743.7890  
Fax: +81.3.6743.9800

### Proprietary Article Certificate (PAC)

(For chemicals, spare parts, reagents, consumables etc.)

- I. The indented goods are manufactured by M/s Terumo BCT, USA.
- II. Item Name: Accessories and Consumables for Automated Whole Blood Separation Device
- III. Model/Part/Catalogue No: Accessories and Consumables for REVEOS® Automated Blood Processing System
- IV. Reasons/Justification which makes the requirement proprietary: Accessories and Consumables are equipment specific and use of any other kind of products are incompatible and will not work.
  1. It is certified that market survey has been done and found that no other manufacturer is manufacturing similar equipment as per the given specifications which can fulfil the vital requirements of the end user.
  2. It is certified that the purchase is proposed to be made on proprietary usage basis because any other material/equipment/instrument chemical, etc. if used will lead to deviation and affect the integrity/accuracy, validity or analysis of the assignment/patient care.

  
Dr. Diptiranjan Rout  
Asst. Professor  
Dept. of Transfusion Medicine  
NCI-AIIMS, Jhajjar

  
Dr. D. K. Sharma  
Head  
Dept. of Transfusion Medicine  
NCI-AIIMS, Jhajjar

H.O.D.  
Deptt. of Transfusion Medicine  
AIIMS, Ansari Nagar  
New Delhi-110029

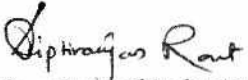



**NATIONAL CANCER INSTITUTE  
ALL INDIA INSTITUTE OF MEDICAL SCIENCES  
JHAJJAR, HARYANA - 124105**

**PROPRIETARY/SPECIFIC BRAND GOODS CERTIFICATE**

1.	Item /Type/Model No. required along with specification	Automated Whole Blood Separation Device (Make: REVEOS® Automated Blood Processing System) (Specification: Attached in annexure)
2.	Is the item a spare part attachment or accessory for an existing equipment	No
3.	Name of the manufactures/supplier of the item proposed by the indenter	M/s Terumo BCT, USA
4.	Are the sole manufactures/sole distributors of the item	Yes
5.	Is there any other item with similar/equipment specification available in the market to meet the job requirement envisaged. Of the answer is yes, why the same can't be procured.	No
6.	What were the efforts made to locate alternative source of supply or use other substitutes	After detailed local market search and internet based thorough database search, it is certified that at the time of procurement, this system is a proprietary item and closed system and is manufacture by M/s Terumo BCT, USA who is the only manufacturer of the item and all its accessories and consumables.
7.	Why open/ limited tender cannot be resorted to, for locating alternative source.	Proprietary Item as well as Close System with single available global manufacturer at the time of procurement.
8.	Are the proprietary & close system items certifying that the rates are reasonable or not	Yes, the rates are reasonable.
9.	Any other justification for procuring item for single source.	Accessories and Consumables are equipment specific and use of any other kind of products are incompatible and will not work.

I certified that the item at Sr. No. 1 & 2 above is required to be procured on single tender basis as the source of supply is definitely known/ the specified brand proposed was advertised in meeting our functional requirement and limited tender system could be dispensed with as they would serve no useful purpose in the particular case.

  
Signature of Indenter  
(Demanding officer)

  
COUNTERSIGNEE  
(Head of the Department)  
Medical Superintendent  
A.I.I.M.S. Hospital  
New Delhi-110029

TERUMO PENPOL

TERUMOBCT

To,  
The Head NCI, AIIMS  
Jhajjar, Haryana- 124001

Subject: - Commercial offer whole Blood Automation Device

REVEOS®

AUTOMATED BLOOD PROCESSING SYSTEM



*S. K. Arora*

TERUMO PENPOL®

TERUMOBCT

Date: -09-03-2020

INDEX COMMERCIAL

1.	Performa Invoice	1-2
2.	Terms and conditions	3
3.	Spares price list	4
4.	Rate Certificate	5
5.	Reference purchase order copies	6-13
6.	Undertaking for freezing the prices for 10 years	14
7.	Undertaking for Spares availability for 10 years	15

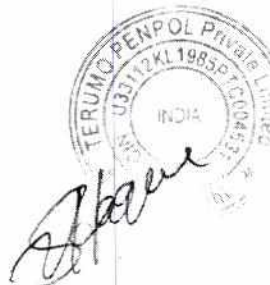
Thanking you,

Yours faithfully,

For TERUMO PENPOL Limited,

Syed Zayaul Haque

Regional Sales Manager (North)





# TERUMO PENPOL®

North Zone Sales Office : TERUMO PENPOL PRIVATE LIMITED, 3E/9, 2nd Floor, Jhandewalan Extension, New Delhi - 110 055.  
Ph : +91 11 4692 1062, Fax : +91 11 2351 6298 E-mail : tpdelhi@airtelmail.in Web : www.terumopenpol.com  
CIN : U33112KL1985PTC004531

## PERFORMA INVOICE

Ref:- TPPL/NCI/Reveos

Dated:9/03/2020

To,  
The Head NCI- AIIMS  
Jhajjar- Haryana

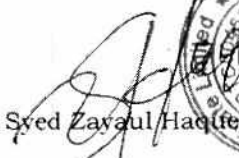
Whole Blood Automation Device - Model Reveos	Qty	Price in Indian Rupees	
		Unit price	Total price
<ul style="list-style-type: none"><li>The Centrifuge System Can Automate the following process steps for up to 4 units of Whole blood within a cycle- balancing, centrifugation, sedimentation, expression, and tube sealing.</li><li>The system provides plasma and platelet volume as well as platelet content determination. The platelet count is communicated as a Platelet Yield Index (PYI) to provide a prediction of the platelet yield of the processed unit. The PYI value is displayed on the system and recorded in the system.</li><li>The system provides procedure and process data- per unit and per cycle.</li><li>The centrifuge device has software (both embedded and external) to transfer procedure and process data to and from the device.</li><li>System have Fixed bucket (4/device) technology for Whole Blood sedimentation and separation.</li><li>System can provide a single spin preparation of a platelet (IPU) from Whole blood.</li><li>The system has Integrated sealing heads (3/bucket) to seal the components during the processing cycle.</li><li>The device has a Touch Screen Display with Graphical User Interface.</li><li>The Device is provided with a Temperature Controller system (external Chiller) which can support multiple devices of similar nature.</li><li>Processing buckets are equipped with a bucket sensor to detect the component interface.</li><li>The device has a line/tubing sensor to detect the component interface for each WB processed.</li><li>The device has a built-in expression system (hydraulic) which allows for consistent component expression during processing.</li><li>Device has an inbuilt balancing system which would eliminate the need for a manual balancing device.</li><li>Device can process the following components from each unit of Whole Blood, in one centrifuge cycle- Red Blood</li></ul>	1	1,28,00,000	1,28,00,000

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CIN : U33112KL1985PTC004531

Cells, Leukoreduced Plasma, Residual Leukocytes and Platelets.			
<ul style="list-style-type: none"><li>• System works on an integrated processing set which can be used for collection and processing of whole blood.</li><li>• The system has a pooling set that is designed to allow the pooling, leukoreduction and storage for 3-6 IPU's for transfusion.</li></ul>			
<b>Accessories</b> <ul style="list-style-type: none"><li>• Reveos Country Kit - 01 Unit</li><li>• Reveos System Manager (RSM)- 01 Unit</li><li>• Thermo Chiller- 01 unit</li><li>• Chiller Power Cord, 10 amp, RoHS- 01 unit</li><li>• Chiller Side Hose, RoHS- 01 unit</li><li>• Reveos Side Hose, RoHS- 01 unit</li><li>• Chiller Fluid, RoHS- 01 unit</li><li>• Manual Frangible Breaker + Tether (3PK)- 01 unit</li></ul>			
<b>Total</b>			1,28,00,000
GST @ 12%			15,36,000
Grand Total: - One Crore forty-three lacks thirty-six thousand only			1,43,36,000
<b>Consumables</b> Reveos Leucodeplited BLOOD BAG SET- INR 1700/unit Platelet POOLING SET (optional)- INR 1900/unit Taxes extra as applicable			

Thanking you,  
Yours faithfully,  
For TERUMO PENPOL Limited,

  
Syed Zayaul Haque  
Regional Sales Manager (North)



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CIN : U33112KL1985PTC004531

3

To,  
The Head NCI- AIIMS  
Jhajjar- Haryana

09/03/2020

## TERMS AND CONDITIONS

- Validity: - This offer is valid for 90 days only
- Price: - Prices quoted are basic rates only
- Taxes: - GST will be charged extra as applicable
- Supplies: - Supplies will be made either directly by us or through our authorized distributor against your confirm order
- Delivery: - within 8 weeks from the date of confirm order
- Payment: - 50% advance along with the confirm order 50% against the delivery. OR as per institute rule
- Warranty: - The quoted equipment is warranted for a period of 60 months from the date of installation or 63 months from the date of dispatch of the device whichever is earlier.
- Maintenance: - AMC 6% CMC 8% per annum after the completion of the warranty period
- Site: - It is the responsibility of the institute to have the site ready for installation of the devices. All work required for the installation including civil and electrical works and will have to be done by the institute
- 3 KVA online UPS will have to arranged by the institute
- The device will be installed within 10 days from the date of receiving. In case if the delay in installation is due to any reason than the institute will have to release the payment of the Company.
- The consumables rates will be freezed for the contract period that is for 10 years.

We look forward for your valued order.

Thanking you,  
Yours faithfully,  
For TERUMO PENPOL Limited,

Syed Zayau Haque

Regional Sales Manager (North)

# TERUMO PENPOL®

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CIN : U33112KL1985PTC004531

Dated:9/03/2020

To,  
The Head NCI- AIIMS  
Jhajjar- Haryana

Serial No.	Spare Part description	Part code	MRP (INR) (Including tax)
1	QUICK CONNECTS, COOLING, REVEOS	988002001	5097.47
2	HYDRAULIC VALVE, REVEOS, ROHS	988007001	27472.5
3	SLIP RING, REVEOS, ROHS	988009003	552528.61
4	CCA, DC INTERCONNECT	988021002	24023.71
5	PM KIT, REVEOS, ROHS	988033006	88171.07
6	CENT MOTOR CONTROLLER, REVEOS,	988037001	271915.47
7	FLASH CARD, V 1.10.001, REVEOS	988039007	20642.23
8	GREASE, KLUBER, HYD CYLINDER,	988043001	11338.92
9	SCR, EXTERNAL REAR PANEL	988062001	1665.51
10	SEAL, VALVE, ANVIL, QTY 12,	988063202	8983.66
11	ASSY, HORSESHOE, REVEOS, ROHS	988074201	4676.89
12	CCA, HYDRAULIC, REVEOS, ROHS	988004001	25403.23
13	LEAK DETECTOR ASSY, REVEOS, ROHS	988008002	40039.52
14	ASSEMBLY, BUCKET, REVEOS, ROHS	988013004	714099.86
15	ASSEMBLY, DISPLAY, REVEOS, ROHS	988020001	331739.23
16	SENSOR, VIBRATION, REVEOS, ROHS	988035001	35867.34
17	CCA, LID LOCK, PROGRAMMED, REVEOS, ROHS	988040001	57771.31
18	AMPLIFIER, LEAK DET, REVEOS, ROHS	988041002	39955.41
19	ASSY, POWER SUPPLY, RE, ROHS	988075000	132837.01
20	CCA, CHILLER,RE, ROHS	988091000	23502.19
21	CABLES, ROTOR, RE, ROHS	988093001	26883.68
22	TOOL, CABLE, RF STUB, RE	988111000	17866.38
23	CCA, FILTER, HYDRAULIC MOTOR, RE, ROHS	988112000	15511.11
24	CCA, FAN, TESTED, RE, ROHS	988131000	29524.94
25	Reveos Hydraulic Fluid Spare	988163000	16823.33
26	Linear, Upper centrifuge ROHS	988034000	69160.71

Taxes extra as applicable  
Thanking you,  
Yours faithfully,  
For TERUMO PENPOL Limited.

Syed Zaynul Haque

Regional Sales Manager (North)



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CIN : U33112KL1985PTC004531

5

Dated:9/03/2020

To,  
The Head NCI- AIIMS  
Jhajjar- Haryana

## Rate certificate

This is to certify that the rate offered for the kits used in our Whole Blood Automation Device is our lowest prices as per the current US\$ rates & custom duty and not higher than quoted to any Govt. Hospital / institution under similar terms & condition as per the current price list. However, any existing rate contracts, repeat orders based on previous order, special package details & price offered due to short shelf life are note under the purview of this declaration.

Thanking you,  
Yours faithfully,  
For TERUMO PENPOL Limited,

Syed Zaynul Haque

Regional Sales Manager (North)







Date: 06/03/2020

To,  
The Stores officer  
NCI Jhajjar  
Haryana 124001

**Subject: - Purchase order copies of Reveos Device from other countries**

Dear Sir,

Please find enclosed purchase order copies of Reveos Device from other countries as required by you. The summary is as below: -

**Purchase Order No-01:** - This order is placed by a hospital named **Sunderby Sjukhus, Sweden to Terumo BCT Europe**. The unit cost of the device is SEK 1100125, cost of system manager is SEK 23125 and the cost of chiller is SEK 32375. Total base cost of the Device including accessories is SEK 1155625 with one-year warranty.

1 Swedish Krona is equals to INR 7.9 as on today.

Therefore, the base cost in Indian rupees (SEK 1155625 X 7.9) = INR 9129437.

To bring the device in India, import duty, transportation, carry and forwarding charges, insurance, agency commission. All expenses come to 32%. The amount will be INR 2921420.

**Therefore, the cost of the Device with one-year warranty in Indian rupees is INR 12050857**

The warranty cost considering @5%/annum for another 4 years will be INR 602543 x4= INR 2410172.

**The cost with 5 years warranty = INR 12050857 + INR 2410172 = 14461029 (one crore forty-four lacks sixty-one thousand and twenty-nine) plus GST as applicable.**

**Purchase Order No-02:** - This is the invoice raised by Terumo BCT Europe to **vastmanlands Sjukhus, Sweden**. The unit base cost of the Device including accessories is SEK 1119067

1 Swedish Krona is equals to INR 7.9 as on today.

Therefore, base cost in Indian rupees is (SEK 1119067 x 7.9)= INR 8840629. With one-year warranty.

To bring the device in India, import duty, transportation, carry and forwarding charges, insurance, agency commission. All expenses come to 32%. The amount will be INR 2829001



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CIN : U33112KL1985PTC004531

7

**Therefore, the cost of the Device with one-year warranty in Indian rupees is INR 11669630**

The warranty cost considering @5%/annum for another 4 years will be INR 583481 x4= INR 2333926

**The cost with 5 years warranty = INR 11669630 + INR 2333926 = INR 14003556 (Rupees one crore forty lacks three thousand five hundred and fifty-six only) plus GST as applicable.**

**Purchase order No -03: -** This is both order and invoice copy from **Regionalne Centrum Krwiodawstwa i krwiolecznictwa , Poland**. This order was placed to Terumo BCT Poland. The unit cost of the device including accessories PLN 390428.57 with one-year warranty.

One Polish Zloty is equals to INR 19.54 as on today.

Therefore, the cost in Indian rupees (PLN 390428.57 x 19.54) = INR 7628974

To bring the device in India, import duty, transportation, carry and forwarding charges, insurance, agency commission. All expenses come to 32%. The amount will be INR 2441272.

**Therefore, cost with one-year warranty INR 10070246**

The warranty cost considering @5%/annum for another 4 years will be INR 503512 x4= INR 2014049

**The cost with 5 years warranty is INR 10070246 + INR 2014049= INR 12084295**

**Thanking and assuring best of our services**

**Authorized Signatory  
For Terumo Penpol Pvt Ltd**

**Syed Zayaul Haque  
Regional Sales Manager**



# REGION NORRBOTTEN

## Upphandling

Handläggare  
Jonas Lundström - Upphandlare  
0702586748

Manager  
**Sunderby Sjukhus**  
Laboratoriemedicin  
971 89 Luleå

Faktura skickas till  
Norrbottens läns landsting  
Box 511

961 28 86 01 N

**Fakturanotens** Fakturanummer, inköpsordralsnummer och beslutsnummer

KM 20711

Beslutsnummer i inl upphandling  
205manke

Revers

Art.nr	Benämning	Mängd, enhet	Pris per enhet(SEK)	Summa(SEK)
25000	Reveos (inkl. 18,75% rabatt)	2	1 100 125 /	2 200 250
25004	Reveos System Manager	1	23 125	23 125
81021	Cadence	0	0	0
HRN024A N20B	Kylkompressor	1	32 375 /	32 375

Se samtliga bilagor och underlag tillhörande upphandlingen

Underskrift

Niklas Ranneberg  
Upphandlingschef

Kopia för kännedom till

Stefan Sundström (Enhetschef, Laboratoriemedicin)

Fredrik Alm (Projektledare)

## Beställning

Datum: 2018-03-26  
Dokument: 1047-18  
Övervakningsnr: 1949

Leverantör:  
**Terumo BCT Europe N.V.**

Parkering 6, D-84748  
Ludwigshafen, Germany

SE Luleå 2018 Reveos Direct Purchase Final  
Quotation.pdf

Anbudsdatum: 2018-03-26  
Anbudsenkelning Referens:  
Upphandling - Reveos  
Ref: Jonas Lundström

Leveransvillkor:  
Fritt levererat  
Leveransveckadatum:  
Snarast möjligt

Betalningsvillkor:  
30 dagar netto

**TOTAL 2 255 750**

Fakturan ska vara märkt med 20711 - Reveos  
Övriga villkor och specifikationer hänvisas till samtliga  
dokument i offert "SE Luleå 2018 Reveos Direct  
Purchase Final Quotation.pdf" samt övriga  
upphandlingsunderlag

Vår fakturanotens ska anges på faktura samt vid all korrespondens beträffande  
denna beställning  
- Öppna del SKA medfölja leveransen  
Orderbekräftande med uppgift om exakt leveransställe omgående



**REGION  
NORRBOTTEN**



*Handwritten signature*

Upphandling 971 89 Luleå • Besöksadress: Robertsviksgatan 7  
Telefon: 0920-28 40 00 • Telefax: 0920-28 43 86 • E-post: norrbottens.lans.landsting@nil.se • www.norrbotten.se



9

TERUMOBCT

Terumo BCT Europe N.V.  
Ikarostraat 41  
1930 Zaventem, Belgium  
Tel: +32 2 7150 590 Fax: +32 2 7210 770  
VAT: BE0413 166 065 RPR Brussel

Faktura

BANK Handelsbanken Normmalmstorg Stockholm  
ACCOUNT: 304 149 918  
IBAN: SE10 6000 0000 0003 0414 9918  
SWIFT BIC: HANSESS  
BANKGIRO: 5736 2170

Sald till kunden : 100025258

Västmanlands Sjukhus

Länssjukhuset Västmanland

Leverantörstakturst

Box 1043

SE-720 03 Västerås

Sweden

Betalningsreferens

Kund nr 100025258

Faktura nr 5310158150

Faktura Datum 07-06-2016

Internt ref nr 90861654

Ordernummer 70006463

Ert momsreg. Nr SE232100017207

Betalningsvillkor 30 dagar netto

Leverans till kunden : 100040929

Blodcentralen Västerås

Gudsfrötagningen ing 16

Västmanlands Sjukhus

SE-721 89 Västerås

Sweden

Beställningsnummer 1790300

Kontaktperson Per Bjellerup

Tel.nr

Contact Sweden  
Tel: +46 46 286 3180  
Fax: +46 46 286 3189  
E-Mail: bshorden@terumobct.com

Leveransvillkor

Bruttovikt

Next Day

783 151 KG

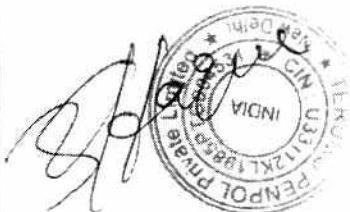
Incoterms

Beskrivning

DDP

Delivered Duty Paid

Rad	Artikelbenämning	Moms kod	Antal	Pris/Enhet	SEK
10	23000	CA	2 ST	1.063.567,00/ST	2 127 134 00
	REVEOS MACHINE, FINAL ASSEMBLY				
	Artikelkod: 90189084 SN 1W00242 & 1W00243 Goods Origin: USA				
20	25004	CA	2 ST	23.125,00/ST	46 250 00
	KIT RSM SWEDISH V1.1				
	Artikelkod: 85234945 Goods Origin: USA				
30	988052001	CA	2/ST	0 00/ST	0 00
	CORD POWER EUROPEAN 230V 10AMP ROHS				
	Artikelkod: 85444290 Goods Origin: USA				
40	81021	CA	1/ST	0 00/ST	0 00
	CADENCE SYS FINAL ASSY				
	Artikelkod: 90189084 Goods Origin: USA				
	CADENCE				



Sida 1 / 2



10

TERUMOBCT

Faktura

5310158152

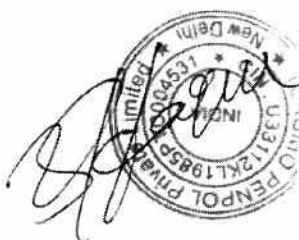
Rad	Artikelbenämning	Moms kod	Antal	Pris/Enhet	SEK
60	HR5024AN20R SMD SMALL THERMO CHILLER AIR COOLED Artikekod 84198998	CA	2 ST	32.375 00/ST	64 750 00
60	988046001 HOSE CHILLER SIDE REVEOS ROHS Artikekod 84219100	CA	1 ST	0 00/ST	0 00
70	988047001 HOSE DEVICE SIDE REVEOS ROHS Artikekod 84219100	CA	2 ST	0 00/ST	0 00
80	988048001 FLUID CHILLER ROHS Artikekod 2905310000	CA	2 ST	0 00/ST	0 00
90	988049000 POWER CORD CHILLER 32 AMP REVEOS Artikekod 8504406007	CA	1 ST	0 00/ST	0 00
100	220004002 COUNTRY KIT V1 1 EUROPEAN SWED RE ROHS Artikekod 85234945	CA	2 ST	0 00/ST	0 00

These commodities were exported from the countries mentioned in accordance with the export administration regulations for ultimate destination SE. Diversion contrary to applied law prohibited.

Totalsumma		2 238 134 00		
	Moms kod	Nettosumma	Moms summa	Totalsumma
	CA	2 238 134 00	0 00	2 238 134 00
	Totalt	2 238 134 00	0 00	2 238 134 00

CA 0 00 % Undantag Artikel 136 1 Radets direktiv 2006/112

Artikekod	Totalt antal	Nettovikt	Varde endast for tullverket
90189084	3 000 EA	656 924 KG	2 127 134 01 SEK
85234945	4 000 EA	6 350 KG	46 250 02 SEK
85444290	2 000 EA	2 722 KG	0 00 SEK
84198998	2 000 EA	104 000 KG	64 750 00 SEK
84219100	3 000 EA	9 072 KG	0 00 SEK
2905310000	2 000 EA	2 722 KG	0 00 SEK
8504406007	1 000 EA	1 361 KG	0 00 SEK



Sida 2 / 2



TERUMOBCT

Spółka z ograniczoną odpowiedzialnością

Faktura VAT

2018-08-28 Katowice  
ul. Raciborska 15

Nr 2018/08/66/FST

ORYGINAŁ

2018-08-28  
ul. Raciborska 15

Sprzedawca: Terumo BCT Polska Sp. z o.o.  
Adres: 40-241 Katowice, Hutnicza 14  
NIP: 634-23-68-551  
VAT (id no): PL6342368551  
Telefon: 32 777-88-00 Fax: 32 777-88-01

Nabywca: Regionalne Centrum Krwiodawstwa i Krwiolecznictwa  
Adres: 40-074 Katowice, ul. Raciborska 15  
NIP: 634-23-36-539

Forma płatności: przelew 30 dni zgodnie z zawartą umową  
Termin płatności: 2018-09-28  
Bank: ING BSK O/Katowice ul. Sokolska 34  
Konto: 98 1050 1214 1000 0022 2586 6074

Odbiorca: Regionalne Centrum Krwiodawstwa i Krwiolecznictwa  
Adres: 40-074 Katowice, ul. Raciborska 15

Umowa nr ZP.PN.18.18 z dnia 06.07.2018r.

Lp	Nazwa	Ilość	Jm	Cena netto	Wartość netto	Stawka VAT	Kwota VAT	Wartość brutto
1.	Urządzenie do automatycznego bezpośredniego rozdziálu krwi podczas jednego procesu Urządzenie <b>Reveos</b> , nr kat. 2 5000	1 szt.		387 681,01	2 713 767,07	8%	217 101,37	2 930 868,44
2.	Wyposażenie stanowiska komputerowe wraz z niezbędnym oprogramowaniem, skaner drukarka, ups, hose device Side, Hose Chiller Side, Fluid Chiller ROHS	1 kpl		19 232,93	19 232,93	23%	4 423,57	23 656,50
RAZEM					2 733 000,00	x	221 524,94	2 954 524,94
W tym					19 232,93	23%	4 423,57	23 656,50
					2 713 767,07	8%	217 101,37	2 930 868,44

Razem do zapłaty: 2 954 524,94 PLN

ZAPŁACONO

Słownie: dwa miliony dziewięćset pięćdziesiąt cztery tysiące pięćset dwadzieścia cztery złote dziewięćdziesiąt cztery grosze

nazwisko i podpis osoby upoważnionej do odebrania dokumentu

nazwisko i podpis osoby upoważnionej do wystawienia dokumentu



Handwritten signature



Załącznik nr 2

Wzrost: 170 cm, Ciężar ciała: 65 kg, Ciężar serca: 250 g.

KALKULACJA K.K.

Przedmiot zamówienia	Ilość	Wartość netto	Wartość brutto	Wartość netto	Podatek VAT	Wartość brutto
Przetwarzanie i sortowanie odpadów zielonych, rozdrobnienie, rozdział, kłosa podział jedynki procesu	1 szt.	387 681,01 zł	4 899,40 zł	2 713 767,97 zł	8%	2 930 868,44 zł
Zestaw podzinkowy do pobrania jedynki kłosa, procesor, przetworzenie, metoda oceny treningu, automatyzacja, instrukcje, instrukcje, instrukcje, instrukcje	57 000 szt.	43,90 zł	43,74 zł	2 338 500,00 zł	8%	2 439 180,00 zł
Zestaw do produkcji zlepek, obrotowy, również koncentracja, również pływacz w jednym procesie z puli 4-6 pojedynczych jedynki K.K.	10 000 szt.	63,00 zł	63,04 zł	630 000,00 zł	8%	680 400,00 zł
INNE						
Stojaki komputerowe, stacja robocza, monitor, klawiatura, mysz, skanowanie wraz z niezbędnym oprogramowaniem umożliwiającym transmisję danych do systemu "Bark Krowi"	1 szt.	10 080,62 zł	12 399,16 zł	10 080,62 zł	23%	12 399,16 zł
Hose, Device Side, Revers, ROPS, nr kat. 988047003	1 szt.	283,89 zł	349,18 zł	1 987,23 zł	23%	2 444,29 zł
Hose, Chiller Side, Revers, ROPS, nr kat. 988046002	4 szt.	929,67 zł	1 143,49 zł	3 718,68 zł	23%	4 573,98 zł
Hose, Chiller Side, Revers, ROPS, nr kat. 988058001	4 szt.	360,22 zł	443,07 zł	1 440,88 zł	23%	1 772,28 zł
SKŁAD		413,84 zł	509,02 zł	413,84 zł	23%	509,02 zł
		1 305,18 zł	1 605,18 zł	1 305,18 zł	23%	1 605,18 zł



TERUMO PIVAR S.A. z o.o.  
Zamówienie nr 12/2018  
mgr Małgorzata J. Jankowska

18  
K. R. R.

13

1-24-57 10:00 AM 57-5826-204



Chare



12/12/12

# TERUMO PENPOL®

North Zone Sales Office : TERUMO PENPOL PRIVATE LIMITED, 3E/9, 2nd Floor, Jhandewalan Extension, New Delhi - 110 055.  
Ph : +91 11 4692 1062, Fax : +91 11 2351 6298 E-mail : tpdelhi@airtelmail.in Web : www.terumopenpol.com  
CIN : U33112KL1985PTC004531

14

Date: 07/03/2020

To,  
The Stores officer  
NCI Jhajjar  
Haryana 124001

**Subject: -Undertaking for freezing prices of consumables used in the Whole Blood Automation Device Model Reveos during the contract period**

Dear Sir,

We here by confirm that the mutually agreed prices of the consumables used in the WBA Device Model Reveos will be freezed during the contract period that is for 10 years. The prices will be subject to change if there will be any changes in the govt policies, levies, duties etc. by more than 10%. The prices will also be subject to change in the case of change in exchange rates of USD v/s INR by more than 10% (exchange rate will be applicable as per RBI website, at the date of agreement signed).

Price will not change in case of any upgradation in the same product or in case of part number change. Any downward revision in the price will be passed on to NCI with immediate effect.

**Thanking and assuring best of our services**

Authorized Signatory  
For Terumo Penpol Pvt Ltd

Syed Zayaul Haque  
Regional Sales Manager





# TERUMO PENPOL®

North Zone Sales Office : TERUMO PENPOL PRIVATE LIMITED, 3E/9, 2nd Floor, Jhandewalan Extension, New Delhi - 110 055.  
Ph : +91 11 4692 1062, Fax : +91 11 2351 6298 E-mail : tpdelhi@airtelmail.in Web : www.terumopenpol.com  
CIN : U33112KL1985PTC004531

(15)

To,  
The Head  
NCI- AIIMS  
Jhajjar- Haryana

Date:09/03/2020

## To Whomsoever It May Concern

This is to declare that the we shall provide full-service support including the spares involved in the Reveos product up to 10 years from the date of installation.

Thanking you,

Yours faithfully,

For TERUMO PENPOL Limited,



Syed Zayaul Haque

Regional Sales Manager (North)





**TERUMOBCT**

Unlocking the Potential of Blood

**REVEOS<sup>®</sup> AUTOMATED BLOOD PROCESSING SYSTEM**

ADVANCE EFFICIENCY, QUALITY AND CONTROL  
IN WHOLE BLOOD PROCESSING

THE REVEOS<sup>®</sup> AUTOMATED BLOOD PROCESSING SYSTEM IS NOT CLEARED FOR SALE IN THE U.S. IT IS AVAILABLE IN SELECT MARKETS.





# PUT AUTOMATION TO WORK FOR YOU

—  
IMPROVE YOUR LAB EFFICIENCY, BLOOD COMPONENT QUALITY  
AND PROCESS CONTROL.



## **AUTOMATED WHOLE BLOOD (WB) PROCESSING, FOUR UNITS AT A TIME**

The Reveos system is an easy-to-use platform that automates and integrates the manual steps involved in WB processing.

Quick and efficient, the Reveos system processes four units of WB at a time. Use your Reveos system to produce red blood cells (RBCs), leukoreduced plasma, interim platelets for pooling and residual leukocytes with a single centrifugation step.

### **AUTOMATION DESIGNED FOR EASY ADOPTION**

While the prospect of automating your process may seem daunting, we have helped many blood centers around the world successfully upgrade their labs. And that number continues to grow. Today, blood banks in more than 25 countries have adopted our WB automation technologies.

These blood centers benefit from the rewards of automation. And you could, too. Put our knowledge and expertise to work to improve your WB process.

Let's take a look.



# THE VALUE OF AUTOMATION\*

THE BENEFITS OF AUTOMATION INCLUDE IMPROVEMENTS IN THESE AREAS:



## PRODUCTIVITY

- The platelet yield index (PYI) feature can help you create more pools of platelets from your daily collections of WB
- One shift and four Reveos devices can process approximately 70,000 units of WB annually\*\*



## COMPLIANCE

- Reveos System Manager (RSM) automatically records processing steps



## EFFICIENCY

- The Reveos system reduces the need for resources, including staff time, equipment, space, standard operating procedures (SOPs) and training
- In a single run, the system integrates the functions of centrifugation, sedimentation, separation and sealing of four WB units, resulting in multiple blood components



## QUALITY

- The Reveos system is designed to create consistent products, using fixed-bucket technology and integrated processing steps
- The PYI feature allows for estimating/predicting the platelet yield of platelet pools
- Plasma is automatically leukoreduced

\*As compared with manual processing

\*\*See the assumptions listed in the improved throughput table on page 9.

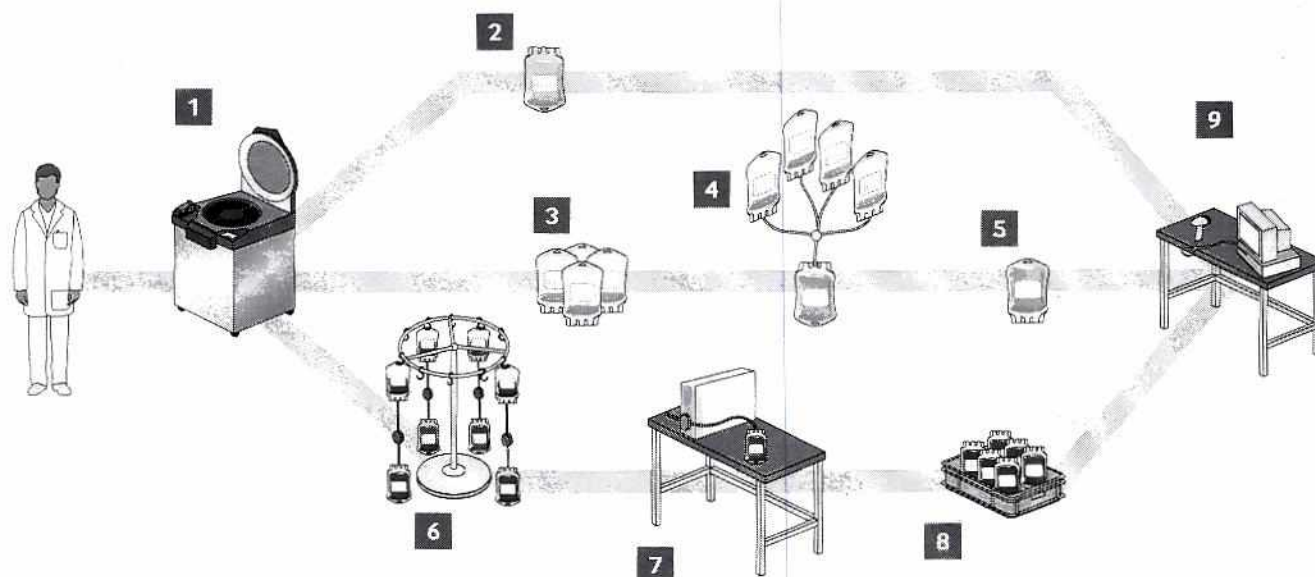
## COMPARE YOUR PROCESS TO THE REVEOS SYSTEM PROCESS

### PROCESS FOUR UNITS OF BLOOD AT A TIME

#### THE REVEOS SYSTEM PROCESS: 3 COMPONENT (3C) PROTOCOL AND PLATELET POOLING

The Reveos system process requires far fewer steps than manual processing.

- |                                    |   |
|------------------------------------|---|
| <b>1</b> Operate Reveos system     | <b>6</b> Leukoreduce red blood cell (RBC) units |
| <b>2</b> Leukoreduced plasma unit  | <b>7</b> Seal RBC units                         |
| <b>3</b> Interim platelet units    | <b>8</b> Store leukoreduced RBC units           |
| <b>4</b> Pool platelets            | <b>9</b> Enter data                             |
| <b>5</b> Therapeutic platelet dose |   |



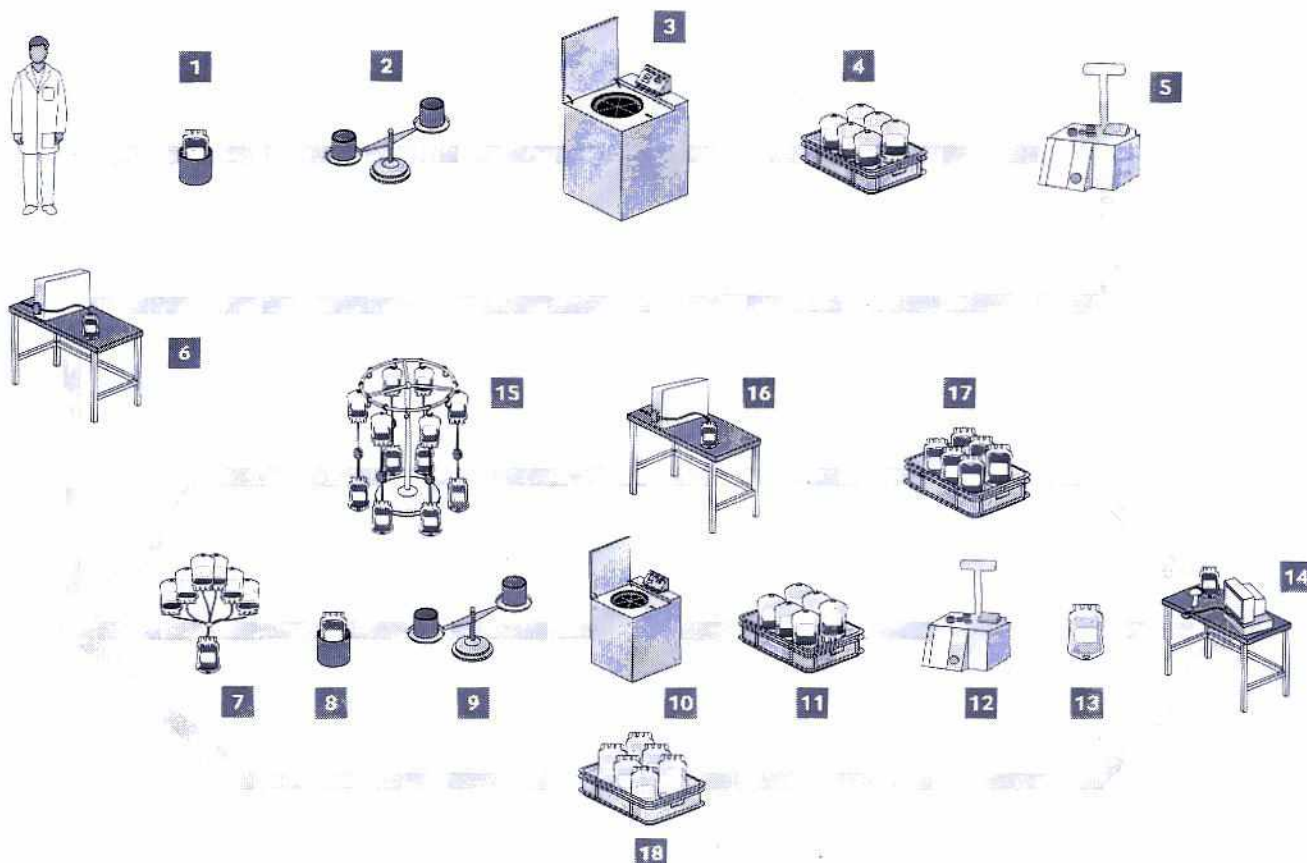


# MANUAL WB PLATELET PROCESS

THERE ARE MANY STEPS IN THE MANUAL PROCESS.  
EACH ONE CAN AFFECT THE QUALITY OF YOUR FINAL COMPONENTS.

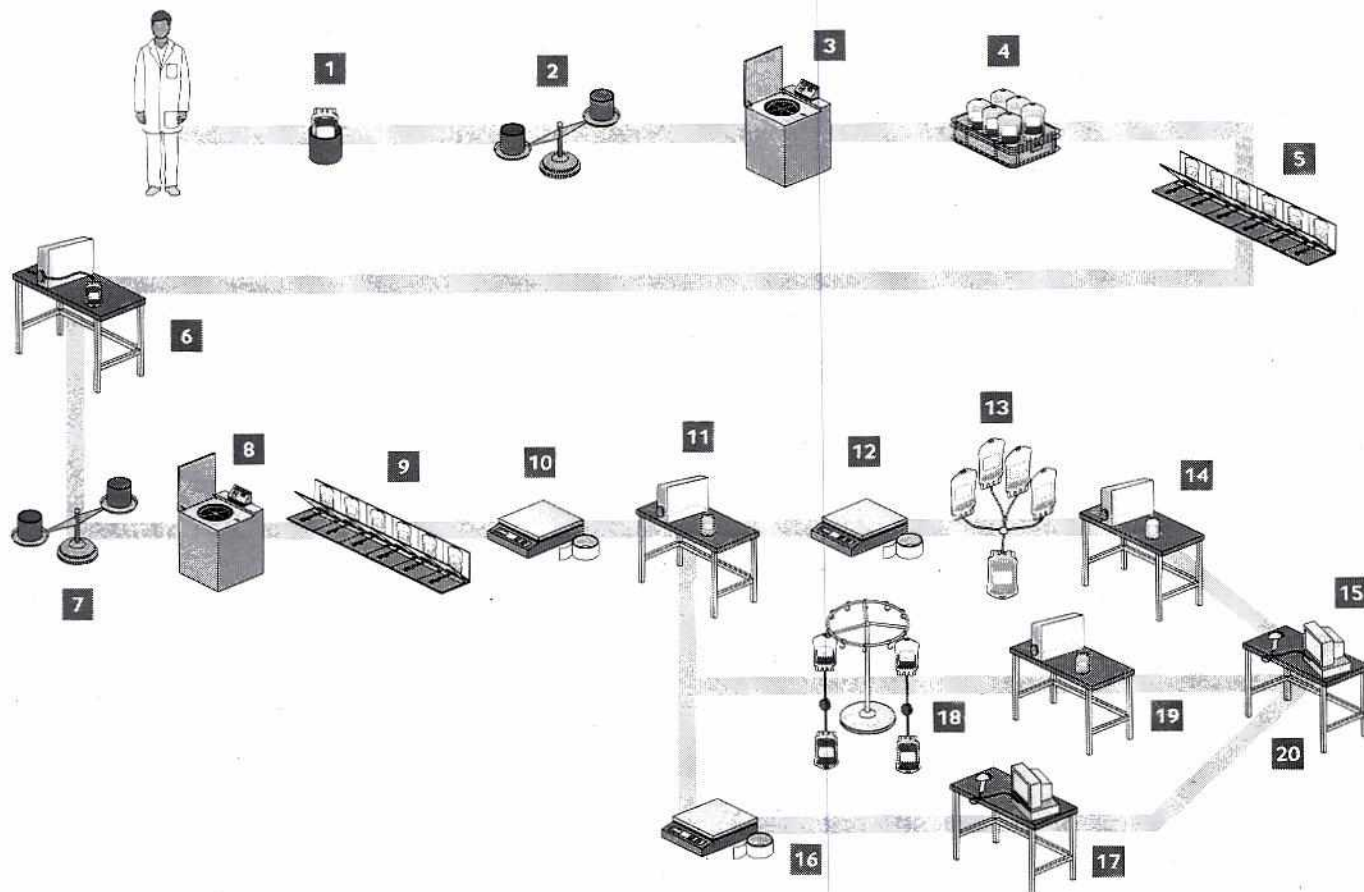
## MANUAL BUFFY COAT (BC) PROCESS

- |  |  |  |
|--|--|--|
| <b>1</b> Pack for positioning in cup                       | <b>8</b> Pack for positioning in cup                         | <b>15</b> Leukoreduce RBC units          |
| <b>2</b> Balance   | <b>9</b> Balance   | <b>16</b> Separate RBC units from filter |
| <b>3</b> Centrifuge  | <b>10</b> Centrifuge BC units                                | <b>17</b> Leukoreduced RBC units         |
| <b>4</b> Transport units                                   | <b>11</b> Transport units                                    | <b>18</b> Plasma units                   |
| <b>5</b> Separate RBCs and plasma from BC                  | <b>12</b> Separate platelets from BC units                   |  |
| <b>6</b> Seal and separate plasma, packed RBC and BC units | <b>13</b> Platelet concentrate                               |  |
| <b>7</b> Pool and rinse BC units                           | <b>14</b> Enter data; store or additionally process products |  |



## MANUAL PLATELET-RICH PLASMA (PRP) PROCESS

- |  |  |  |
|--|--|--|
| <b>1</b> Load WB in centrifuge cups                    | <b>10</b> Adjust plasma volume in PC         | <b>18</b> Leukoreduce RBC units                    |
| <b>2</b> Balance WB                                    | <b>11</b> Seal and separate plasma from PC   | <b>19</b> Seal and separate leukoreduced RBC units |
| <b>3</b> Centrifuge WB                                 | <b>12</b> Weigh PC                           | <b>20</b> Enter leukoreduced RBC data              |
| <b>4</b> WB is ready for PRP expression                | <b>13</b> Pool and leukoreduce PC            |  |
| <b>5</b> Express PRP                                   | <b>14</b> Seal and separate pooled platelets |  |
| <b>6</b> Seal and separate PRP from RBCs               | <b>15</b> Enter pooled platelet data         |  |
| <b>7</b> Balance PRP                                   | <b>16</b> Weigh plasma                       |  |
| <b>8</b> Centrifuge PRP                                | <b>17</b> Enter plasma data                  |  |
| <b>9</b> Express plasma from platelet concentrate (PC) |  |  |





# MEET THE REVEOS SYSTEM

THE REVEOS SYSTEM AUTOMATES MANY PROCESSING STEPS, CONSOLIDATING THEM INTO A SINGLE RUN.



# MEET THE REVEOS SYSTEM

THE REVEOS SYSTEM AUTOMATES MANY PROCESSING STEPS, CONSOLIDATING THEM INTO A SINGLE RUN.



7

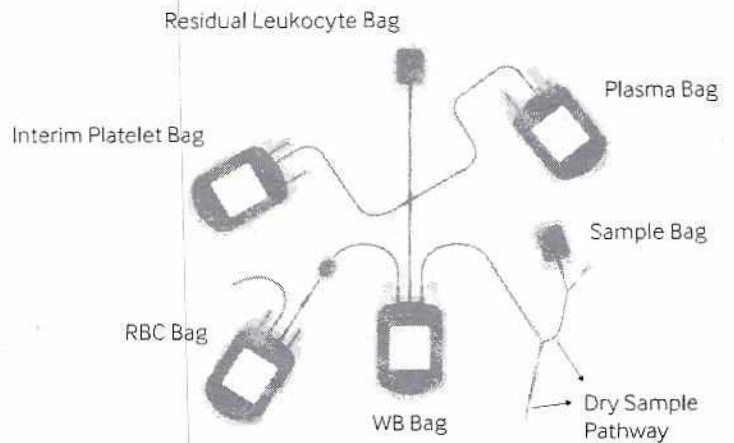


- BALANCE
- CENTRIFUGE
- EXPRESS
- SEAL
- DETERMINE PRODUCT VOLUME AND ESTIMATE PLATELET COUNT
- COLLECT DATA
- REPORT DATA

## THE REVEOS SYSTEM OVERVIEW

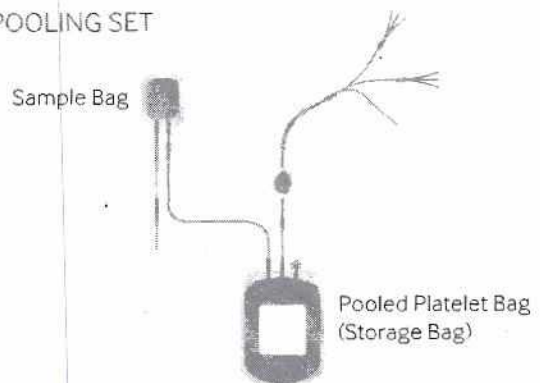
- **Reveos device**  
A self-contained automated device that processes up to four units of WB at a time
- **Reveos System Manager (RSM)**  
An enhanced data management system
- **Cadence® Data Collection System**  
Allows us to provide enhanced customer service
- **Reveos 3C Blood Bag Set**  
One set to collect and process WB into multiple components  
(Intended use: The Reveos 3C blood bag set is intended to collect a unit of WB and process that unit on the Reveos device, producing blood components.)
- **Platelet Pooling Set**  
Four to six interim platelet units (IPUs) are pooled to create a transfusable platelet dose  
(Intended use: The platelet pooling set is intended for use with WB-derived platelets, including pooling and filtration, resulting in a Platelet product for transfusion.)

## REVEOS 3C BLOOD BAG SET

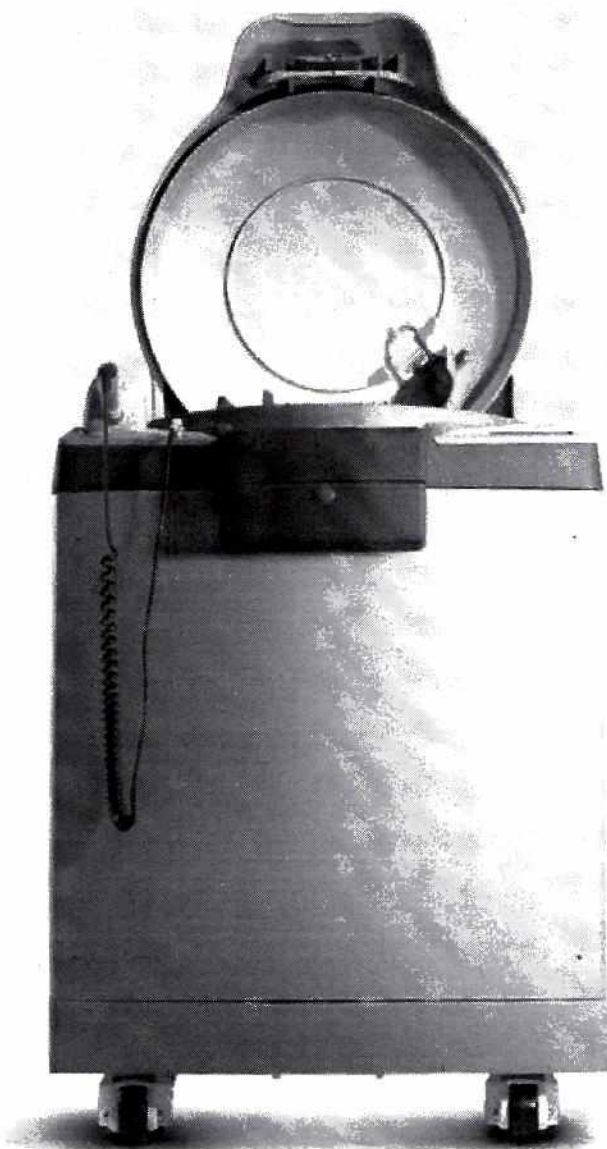


Drawing may not represent current configuration

## PLATELET POOLING SET



Drawing may not represent current configuration



# THE ADVANTAGES OF THE REVEOS SYSTEM

LOOK WHAT YOU CAN DO WITH THE RIGHT TOOLS.

## IMPROVE PRODUCT CONSISTENCY\*

Achieve consistent quality with fixed-bucket technology and integrated processing steps.

## OBTAIN HIGHER YIELDS\*

The Reveos system may help you improve yields in several ways:

- The process is automated and consistent, resulting in fewer mistakes and fewer discarded products
- The system is highly accurate, enabling operators to obtain a higher volume of components from the same volume of WB
- The system is flexible and can be customized to your center's unique needs

The PYI is an exclusive, innovative feature that provides the operator with a prediction of the platelet yield of the processed unit. The PYI value is shown on the device display screen and recorded in RSM.

## Improve throughput

THROUGHPUT POTENTIAL IN WB UNITS/YEAR				
NUMBER OF SHIFTS	1 Reveos System	2 Reveos Systems	3 Reveos Systems	4 Reveos Systems
1	18,000	36,000	54,000	72,000
2	36,000	72,000	108,000	144,000
3	54,000	108,000	162,000	216,000

Assumptions: 25 minutes/cycle. 1 cycle = 4 WB units, 250 working days/year, 7.5 hours/shift

Please contact your Terumo BCT representative for a customer-specific value analysis of the Reveos system.

## Optimize your workflow:

- Reduce manual steps
- Reduce SOPs
- Reduce hands-on time
- Improve resource management

## Process more than 18,000 WB units each year with these benefits: \*\*

- Less space
- Less equipment
- Less labor
- Less time

\*As compared with manual processing

\*\*See the assumptions listed in the table above



PROCESSING EQUIPMENT	Manual Semi-Automated Method	Reveos System
Triage balance	1	0
Reveos system	0	5
Centrifuges	5	0
Expressors	18	0
Sterile connection device	2	2
Component disconnect sealers	3	1
Platelet agitators	4	4
<b>Total</b>	<b>33</b>	<b>12</b>
<b>Savings</b>	<b>64%</b>	

STAFF UTILIZATION	Manual Semi-Automated Method	Reveos System	Savings
First-stage separation	10	5	50%
Second-stage separation	2	0	100%
Platelet pooling	2	2	0%
<b>Total</b>	<b>14</b>	<b>7</b>	<b>50%</b>
Assumptions: 100,000 WB units/year, two-stage platelet separation			

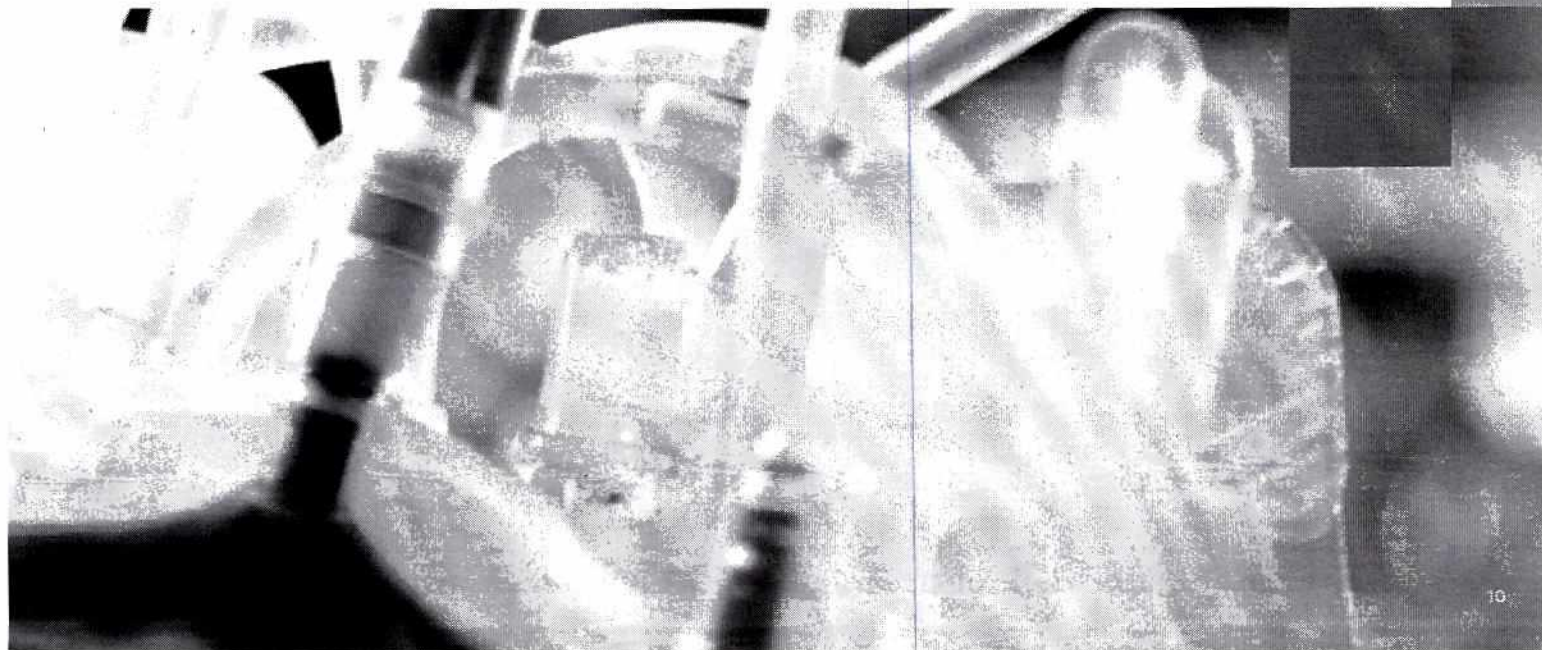
Please contact your Terumo BCT representative for a customer-specific value analysis of the Reveos system.

#### MANAGE INFORMATION WITH EASE\*

Software solutions take your system further.

- For greater control and flexibility, the Reveos system is equipped with RSM and compatible with the Cadence Data Collection System
- RSM centralizes device and operator management; it also allows interfacing with your blood bank's IT system

*\*As compared with manual processing*





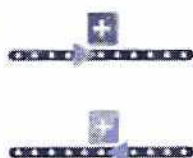
# INFORMATION TECHNOLOGY (IT)

PROVIDES CONTROL AND TRACEABILITY

## RSM OVERVIEW

RSM, an enhanced IT solution, is designed to effectively manage the Reveos system's day-to-day operations. RSM provides access to processing data that improves your process control and provides insight into every procedure performed on the Reveos system.

RSM can manage your devices at one site or across multiple facilities.



### Data includes:

- Time
- Device ID
- Barcode Scans
- Components
- Platelet Yield Index
- Volumes
- Alarms
- Configurations

Data transfer from your Reveos system to RSM allows you to generate valuable reports, ensure traceability, track processes, identify areas for improvement and more.

Data transfer from RSM to multiple Reveos systems allows you to customize your Reveos system, manage your procedures and security settings and more.

## RSM SEARCHES AND REPORTS

### Report generation

- Schedule reports to monitor manufacturing operations
- Enable traceability of processed units, equipment and operator actions
- Identify areas for improvement
- View, print or export data to other systems for analysis
- View an intuitive graphical representation of data

### Donation ID and search feature

- Find a single unit based on its donation ID, available on any page in RSM
- View donation ID search results that show processing date, component volumes, operator ID, device name and alerts or alarms that occurred during processing of the unit

## INSIGHT REPORT

### CHART VIEW

#### Operations

- Number of units processed by each Reveos device
- Average duration of procedures by operator

#### Production

- Average volume of each component by procedure
- Total number of components produced
- Percentage of units with a PYI within the specific range for 3C procedures

#### Exceptions

- Details about duplicated units, reprocessed units and inconclusive sealed units, as well as barcode and centrifuge temperature issues

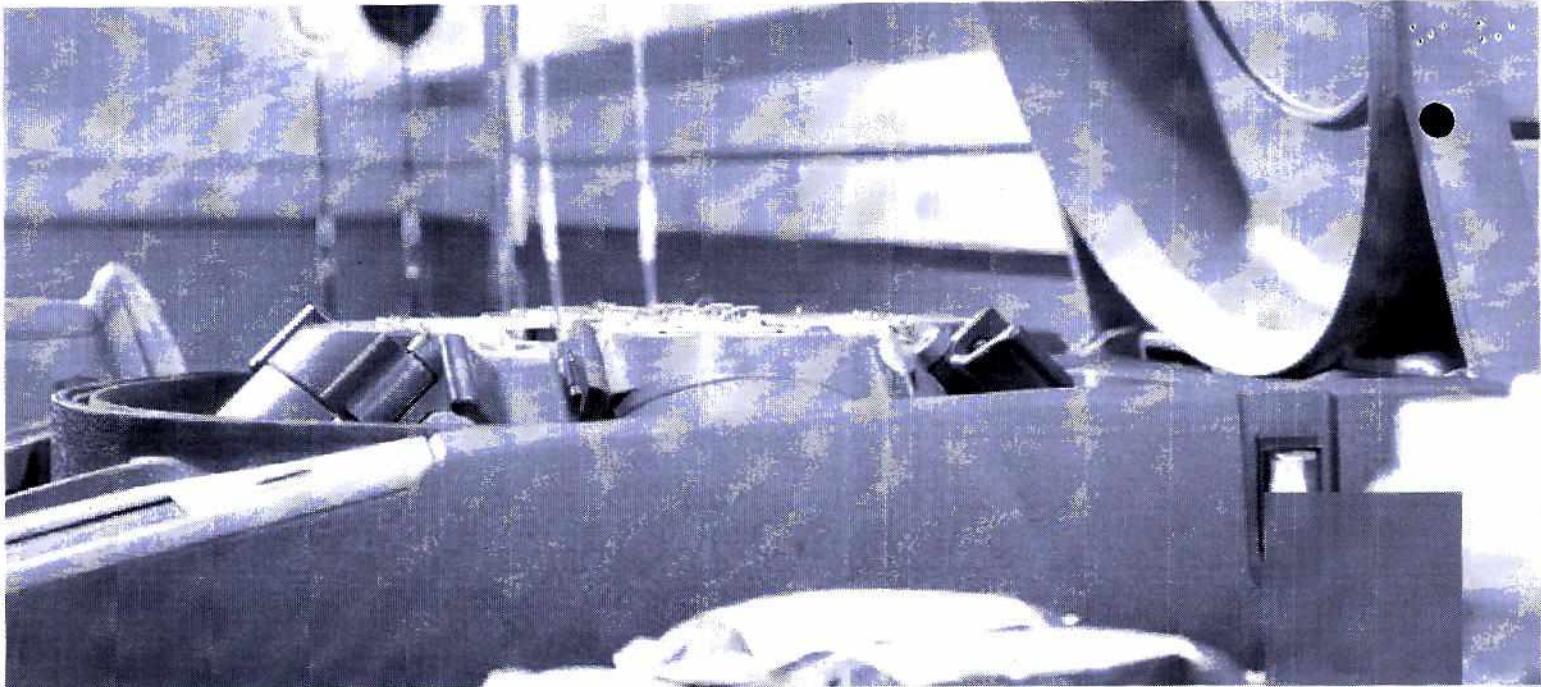
#### Alarms and alerts

- Total number of alarms and alerts by operator and by device

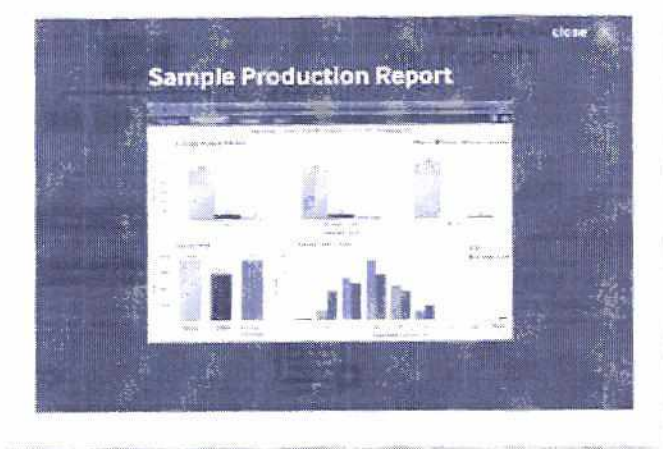
### DETAILS VIEW

- Data from the Insight Report or a Custom Query Report in a table format

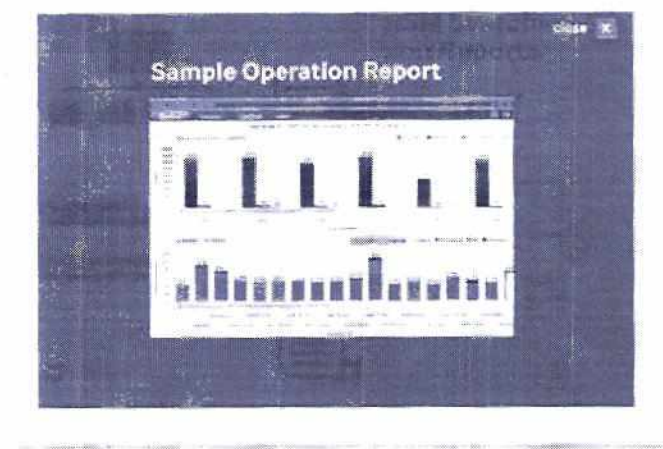




# SAMPLE REPORTS



Sample Production Report



Sample Operation Report

# ONE DEVICE, TWO PROTOCOLS

THE REVEOS SYSTEM	2 Component Protocol	3 Component Protocol
4 WB units	4 RBC units	4 RBC units
	4 leukoreduced plasma units	4 leukoreduced plasma units
	4 residual leukocyte units	4 leukoreduced platelet units
		4 residual leukocyte units

Please contact your Terumo BCT representative to purchase processing sets.



## SYSTEM SPECIFICATIONS

### DEVICE AND OPERATING ENVIRONMENT SPECIFICATIONS

SPECIFICATION TYPE	VALUE
Size (W x H x D)	68.6 cm x 100 cm x 82.6 cm (27 in x 39.4 in x 32.5 in)
Weight	286 kg (630 lb)
Humidity	10% to 80% RH non-condensing
Operating temperature	Recommended 18 °C to 27 °C (64.4 °F to 80.6 °F)
Storage temperature	0 °C to 60 °C (32 °F to 140 °F)
Pollution degree	2
Installation category	II
Environment	Indoor use only
Rated voltage	200–240 Vac (± 10%), 50/60 Hz
Rated input (typical)	1.2 kVA
Rated input (maximum)	6.0 kVA
Heat output	1 kW (3,400 Btu per hour)
Main power circuit breaker	Characteristic C, Rated 16A, 30 mA RCCD (European Union)
Power plug	IEC 60309 2P + E, 200-250 V, 50/60 Hz, 16A, IP44
Ventilation	Adequate to dissipate 1.0 KW in normal operation
Minimum clearance envelope (perimeter around the device)	15.2 cm (6 in)
Minimum floor area needed for installation (D x W)	99.1 cm x 114.3 cm (39 in x 45 in)
Noise level	<65 dBA

CALCULATE WHAT THE REVEOS SYSTEM  
COULD DO FOR YOU.

CONTACT YOUR TERUMO BCT  
REPRESENTATIVE TODAY.





**TERUMOBCT**

**Terumo BCT, Inc. USA**

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USA

USA Phone: 1.877.335.4228  
Phone: +1.303.231.4357  
Fax: +1.303.542.5215

**Terumo BCT Europe N.V.**

Europe, Middle East and Africa  
Ikaraolaan 41  
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Belgium

Phone: +32 2.715.05.90  
Fax: +32 2.721.07.70

**Terumo BCT (Asia Pacific) Ltd.**

Room 3503-3903A, 39/F  
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Causeway Bay, Hong Kong

Phone: +852 2263 0700  
Fax: +852 2576 1311

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C1428D2E  
Buenos Aires  
Argentina

Phone: +54 11 5530 5200  
Fax: +54 11 5530 5201

**Terumo BCT Japan, Inc.**

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**Department of Transfusion Medicine**  
**National Cancer Institute, AIIMS, Badsa, Jhajjar**

**Item - Automated Whole Blood Separation Device – 01 No.**

**Estimated Cost – 1.28 Crores**

**Installation Location – NCI-AIIMS**

**Technical Specifications**

1. The Centrifuge System should be able to automate the following process steps for up to 4 units of Whole blood within a cycle- balancing, centrifugation, sedimentation, expression, and tube sealing.
2. The system should provide plasma and platelet volume as well as platelet content determination.
3. The system should provide procedure and process data-per unit and per cycle.
4. The centrifuge device should have software (both embedded and external) to transfer procedure and process data to and from the device. Should be able to interface with the existing Blood Bank management software for seamless data transfer and management.
5. System should be a Fixed bucket (4/device) technology for Whole Blood sedimentation and separation
6. System should be able to provide a single spin preparation of a platelet from Whole blood.
7. The system should have integrated sealing heads (3/bucket) to seal the components during the processing cycle.
8. The device should have a Touch Screen Display with Graphical User Interface and barcode scanner.
9. Should be provided with a Temperature Controller system (external Chiller) which can support multiple devices of similar nature.
10. Processing buckets should be equipped with a bucket sensor to detect the component interface.
11. The device should have a line/tubing sensor to detect the component interface for each WB processed.
12. The device should have a built-in expression system (hydraulic) which allows for consistent component expression during processing.
13. Should have an inbuilt balancing system which would eliminate the need for a manual balancing device.
14. Should be able to process the following components from each unit of Whole Blood, in one centrifuge cycle Red Blood Cells, Leukoreduced Plasma, Residual Leukocytes and Platelets.
15. System should work on an integrated processing set which should be able to be used for collection and processing of whole blood.
16. The system should have a pooling set that is designed to allow the pooling, leukoreduction and storage for 3-6 platelet units for transfusion.
17. Requirements and consumption rates for power (220V, 50 Hz) and drainage must be stated, and installation costs included. It shall meet IEC-60601-1-2 (Or Equivalent BIS) General Requirements of Safety for Electromagnetic Compatibility. The equipment must be able to run on the existing electrical provision as per Indian standards. Any additional electrical requirements must be specified by the firm.
18. The system must conform to current US-FDA and/or European-CE approved.
19. Fully detailed operator manuals must be provided. Such manuals must be renewed as and when the instrument software or hardware is updated and must be supplied in English.
20. Must supply additional equipment hardware, software and the Un-interruptible Power Supply (UPS) with minimum power backup of minimum 30 minutes and/or stabiliser, if required; for complete commissioning of the equipment.
21. Demonstration (Physical/Virtual) of performance for the equipment is mandatory, failing which the vendor will not be considered for the technical evaluation.

*Dr. Anurag Raut*

*Ami*

*Bygones*

*[Signature]*

*[Signature]*

*Seanga*

*[Signature]*



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**General Terms & Conditions**

22. **Training** – Must provide Comprehensive on site (duration 1 month) training for operations, maintenance of the equipment & provide training kits and consumables free of cost during this time & must arrange periodic training programmes every 06 (Six) months over a period of 05 (five) years.
23. **Consumables** - Must quote for all the consumables required for operations and maintenance for the equipment for a comprehensive workload of approximately 20,000 units for 10 years. All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer.
- Must submit an undertaking, agreeing to freeze the prices of the consumables for a period of 10 years in compliance to provisions of 'FALL CLAUSE'
24. **Price Justification** – Must submit at least 03 reference previous supply order copies of the institutes of National/ International repute.
25. **Proprietary Certificate** – Must submit Proprietary Article Certificate (PAC)
26. **Performance Certificate** - Must submit at least 3 Satisfactory Performance Certificates from licensed blood banks associated with any academic institutions and/or accredited hospitals (National/ International) not older than 3 years.
27. **Warranty** - The bidders must quote for Five years Comprehensive Warranty as per Conditions of Contract of the bidding document. During the Warranty period, the firm has to provide Uptime guarantee of 100% of 365/366 (Leap Year) days (24 hrs), with relation to working of the complete system, failing which penalty of One (01) percent of total cost of the equipment per day will be imposed. All software updates should be provided free of cost during Comprehensive Warranty period.
28. **Comprehensive Annual Maintenance Contract (CAMC) of subject equipment –**
- a) The cost of Comprehensive Annual Maintenance Contract (CAMC) which shall include preventive maintenance including testing & calibration as per technical/service/ operational manual of the manufacturer, labour and all spares, after satisfactory completion of Warranty period may be quoted for next five years on yearly basis for complete equipment. The cost of CAMC may be quoted along with applicable taxes.
  - b) Before commencement of CAMC period, the suppliers shall furnish a Performance Bank Guarantee for 2.5% of the order value (as per Performa given in bidding document) valid till 3 months extra after expiry of entire CAMC period.
  - c) During the CAMC period, the firm has to provide Uptime guarantee of 100% of 365/366 (Leap Year) days (24 hrs), with relation to working of the complete system, failing which penalty of One (01) percent of total cost of the equipment per day will be imposed. All software updates should be provided free of cost during Comprehensive Warranty period.
  - d) All software updates should be provided free of cost during CAMC. In case of failure by the supplier, the Bank Guarantee of CAMC will be forfeited.
  - e) The payment of CAMC will be made on half yearly basis after satisfactory completion of said period duly certified by end User.
29. **After Sales Service** - After sales service centre should be available at Delhi NCR on 24 (hrs) X 7 (days) X 365 (days) basis. Complaints should be attended properly and immediately. The service should be provided directly by Bidder/Indian Agent. Undertaking by the Principals in the "Manufacturer Authorisation Form" that the spares for the equipment shall be available for at least 20 years from the date of supply of equipment. Further in case of the any Merger/ Acquisition of the OEM, the legal responsibility of the warranty, CAMC and Preventive Maintenance will be carried forward to the next Firm/ Supplier.