

Blood Bank Centrifuge



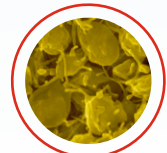
Exclusively Designed As Per
Blood Bank SOPs



KBM 70 Plus



Packed Cells



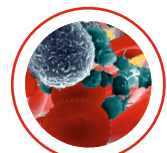
Platelet
Concentrate



Platelet Rich
Plasma



Cryoprecipitate



Buffy Coat
Separation



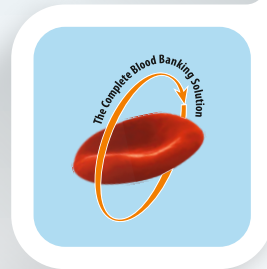
**STANDARD BLOOD COMPONENT YIELD
STANDARD COMPONENT VOLUME**

REMI
Healthcare



Specifications subject to change without notice

Blood Bank Centrifuge



KBM 70 Plus is the new generation microprocessor controlled blood bank centrifuge with forward thinking design and technology. Ideally used for centrifugation of whole blood for components separation like packed red cells, platelet rich plasma, platelet concentrate, cryoprecipitate and buffy coat etc.

Advance manufacturing techniques are used for mounting of brushless induction drive motor in PUF insulated, corrosion free, stainless steel armored chamber, resulting in minimized vibration and noise level. The smooth acceleration / deceleration helps in clear separation thus ensuring high quality component yield.

The rotor is designed to accommodate specific type of oval shaped metal buckets & plastic carriers for holding six blood bags of different volumes & configuration like 350 ml / 450ml, double / triple / quadruple, penta bags & inline-filter (quintuple) blood bags.

User-friendly software & controls helps in ease of operation. There is a unique facility for setting & controlling the centrifuge run either by RPM (speed) or RCF (g force) thus eliminating the need of manual calculations. Interactive menu driven program guides the operator through the setting process of run parameters & also the operational status while centrifuge is running.

State of the art microprocessor controller equips KBM 70 Plus with programs memory, this includes special program along with four sub programs for sequential operations. There are 9 acceleration & 10 deceleration profiles including coasting for optimum yield under different applications. The KBM 80 Plus comes with wide LCD display

Specially designed wind-shielded rotors reduces friction which helps in energy saving & better temperature management

Performance

- Speed holding accuracy ± 10 RPM
- 9 acceleration & 10 deceleration profiles including coasting
- Temperature range from -10°C to $+40^{\circ}\text{C}$
- Low noise level ($\leq 55\text{db}$)
- Tropicalized to run from 0°C to 40°C & RH up to 95%

Leading Technology

- Brush-less induction motor with frequency drive, practically maintenance free
- Advanced user friendly microprocessor control
- 51 programs memory & pre cooling
- Sequential program of speed, time & temperature with four sub programs
- Programmable centrifugation parameters for accurate control
- On board real time data logging, connectivity via RS 232 port
- Dedicated software for data analysis & reports

User Friendly

- Facility to set and indicate RPM or RCF
- Simultaneous display of set & run parameters
- Self-diagnosis of program errors
- Microprocessor controlled automatic lid opening with touch button
- Castor wheels with floor standing jacks for vibration free run
- Emergency lid opening provision in case of power failure

Safety

- Safety interlock to prevent lid opening during centrifugation
- Imbalance cut-off with indication
- Safety key lock to prevent unauthorized use
- Rotor over speed protection
- Alarms for imbalance, lid open, over temperature
- Tamper proof memory & last program recall



Blood Bank Rotor, Metal Buckets & Plastic Buckets

Rotor Head & Bucket Set for 6 Blood Bag Capacity



K 711/M

6 place rotor to hold 6 metal carrier K 713



K 713

Set of 6 metal carrier each to hold one bag
(bucket volume 6 x 1000 ml)



PB 713

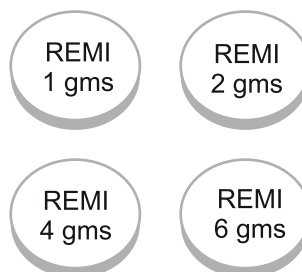
Set of 6 plastic buckets
(suitable for one blood bag of 450 / 350 ml)



SP 713 BF

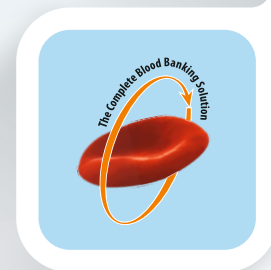
Set of steel plates suitable for PB 713
(for buffycoat component processing)

Balancing Weights

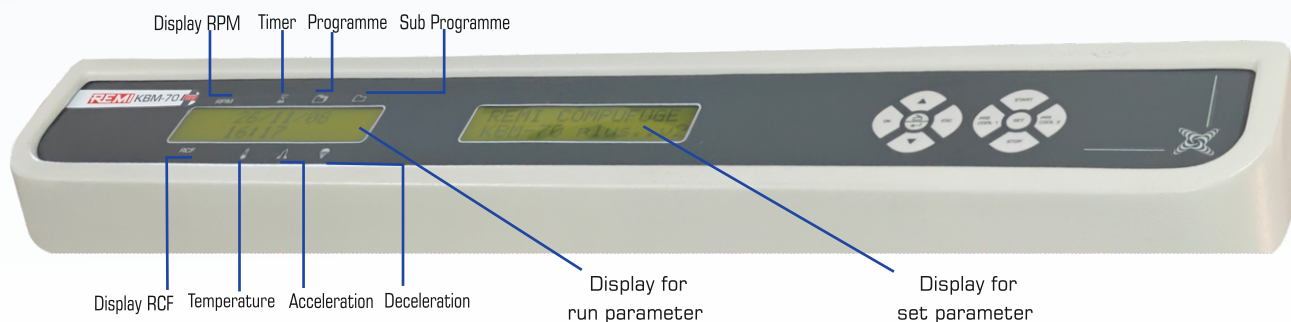


Disc Shaped Weights

Set of round cornered & soft weights ensures counter balancing with safety of blood bags during centrifugation



• CONTROL PANEL KBM 70 Plus



- Simultaneous display of Set & run Parameter
- Interactive Mode program setting
- Touch key pad for user convenience

Technical specifications		
Parameter	Unit	KBM 70 Plus
Process controls	Type	Touch key pad
Menu driven program	Nos	51
Acceleration profile	Steps	1 - 9
Deceleration profile	Steps	1 - 9 & coasting
Max. speed	mm	4280 settable ± 10 RPM
Max. RCF	g	6000
Max time	min	0 - 99 min
Dimension (W X D X H)	mm	840 X 940 X 950
Recommended line voltage corrector	KVA	6
Compliance	EN 60601-1, EN 60601-1-2, CE	