



# PLATELET AGITATOR & INCUBATOR



Quality, Management, Environment, Health & Safety Standards



CDSCO Certified



USFDA Listed



European CE



ISO 13485:  
NABCB/IAF












ISO 9001: IAF














7 Electric Safety  
Certifications

At MarkEn, we understand the critical importance of preserving platelet viability. Our state-of-the-art Platelet Agitators and Incubators are designed with precision engineering and innovative technology to ensure safe, reliable, and efficient storage — every time.

## PLATELET AGITATOR HIGHLIGHTS

	<b>Enhanced Oxygen Transfer:</b> Uniquely designed rack for superior ventilation.
	<b>Gentle Mixing:</b> Flatbed agitator ensuring smooth, uniform motion.
	<b>Continuous &amp; Consistent Agitation:</b> Fixed-speed operation prevents platelet clumping.
	<b>24/7 Jerk-Free Agitation:</b> Robust motorized slide for seamless performance.
	<b>Motion Failure Alarm:</b> Immediate alerts for any operational disruption.
	<b>Optimal Air Circulation:</b> Perforated flatbed shelves maintain uniform airflow.
	<b>Power Failure Beeps:</b> Timely warnings ensure prompt action.
	<b>Automatic Stop:</b> Agitation halts when the door is open for safety.
	<b>Antibacterial Coating:</b> Promotes superior hygiene and safety.

## PLATELET INCUBATOR HIGHLIGHTS

	<b>Robust Construction:</b> Double-walled with stainless steel 304G inner chamber.
	<b>Durable Exterior:</b> 1mm-thick mild steel with a powder-coated or stainless steel 304G finish.
	<b>Forced Air Circulation:</b> Ensures consistent and uniform temperature.
	<b>Advanced Cooling System:</b> Thermoelectric cooling method for optimal performance.
	<b>Integrated Electrical Outlet:</b> Chamber-mounted outlet for agitator connectivity.
	<b>Power Stability:</b> Built-in voltage stabilizer and SMPS ensure efficient power supply.
	<b>Secure Closure:</b> Magnetic gasket and keyed door lock minimize air loss.
	<b>Superior Insulation:</b> CFC-free, high-density polyurethane foam keeps temperatures stable.
	<b>Glass Door:</b> Easy monitoring without disturbing the chamber environment.
	<b>Programmable Alarms:</b> Audible and visual alarms for enhanced safety.
	<b>Long-Term Reliability:</b> Minimum 10-year lifespan with guaranteed spare parts availability.



**Superior Ventilation & Oxygen Transfer**  
Ensures platelet longevity.



**Hygienic Design**  
Easy-to-clean sliding tray and antibacterial coating.



**Safety First**  
Visual and audible alarms provide timely alerts.



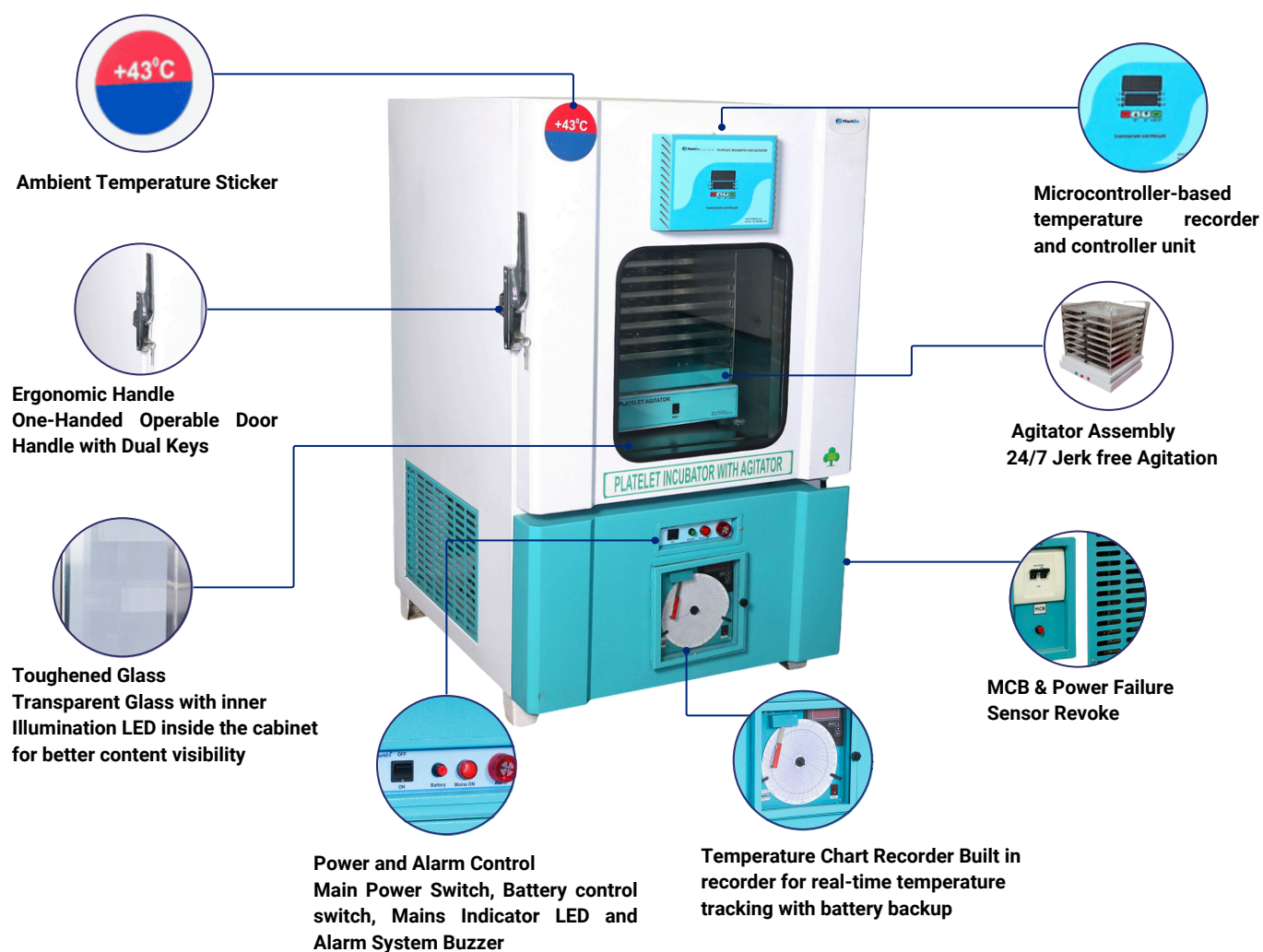
**Precision Engineering**  
Built for durability and long-term performance.



**Trusted Quality**  
Setting the standard in platelet storage technology.

## MARKEN PLATELET AGITATOR AND INCUBATORS

Capacity	48 bags	48 bags	24 bags	96 bags	As per customer Requirement
Exterior Body	MS with powder coated	Stainless steel	MS with powder coated	Stainless steel	



### TECHNICAL SPECIFICATION OF PLATELET AGITATOR

<b>Make</b>	MarkEn
<b>Trays</b>	8 sliding tray stainless steel 304 removed trays for cleaning
<b>Material of Trays</b>	Stainless Steel 304
<b>Type of agitation</b>	Movement -Flat bed agitation.
<b>Cycle Motion</b>	65 +/-7 cycles per minutes
<b>Pause function</b>	10 Sec
<b>Agitating mechanism</b>	230V AC induction motor controlled
<b>Displacement Range</b>	36mm
<b>Indication</b>	LED Indication for blown fuse
<b>Power Supply</b>	220-240V, 50 Hz single phase AC power supply

### TECHNICAL SPECIFICATION OF PLATELET INCUBATOR

<b>Type</b>	Tabletop Model
<b>Door</b>	Single-pane tempered glass door provides a secure and shatter-resistant barrier while allowing for clear visibility of the stored platelet bags
<b>Controller</b>	Microcontroller-based temperature recorder and controller unit (TRCU) positioned at eye level for better visibility
<b>Temperature Range</b>	+22°C with temperature variations of $\pm 1^{\circ}\text{C}$
<b>Working Environment</b>	Extremely hot environmental temperatures of up to +43°C with Humidity 5% to 95% RH and atmospheric pressures ranging from 600 to 1060 hp.
<b>Thermal Printer (optional)</b>	50 millimetre (Fitted in body)
<b>Audio Visual Alarms system</b>	Temperature Low, Door Open, Temperature High, System ok, Agitation off, Cooling Mode, Battery Low, Heating Mode
<b>Compressor</b>	Hermetically sealed
<b>Internal lamp</b>	LED tube for uniform lighting
<b>Display</b>	4 x 7 segment LED display with resolution of 0.5
<b>Temperature Chart Recorder</b>	Six inch 7-day ink-based pressure sensitive circular chart recorder with $\pm 1^{\circ}\text{C}$ accuracy and also has chart changing and set button facility
<b>Battery Backup</b>	2 hours Inbuilt battery backup with 12V, 2.3 Ah rechargeable battery for ensure continuous operation of the display and alarm during power failure
<b>Data Logger</b>	USB Data logger (Optional)
<b>Power Supply</b>	220-240V, 50 Hz single phase AC power supply
<b>Power Protection</b>	MCB provides an extra layer of protection against electrical overloads and short circuits



# CERTIFICATIONS

Quality, Management, Environment, Health & Safety Standards



**50 Products  
CDSCO Certified**



**USFDA Listed**



**8 products tested by a  
WHO-accredited laboratory**



**European CE**



**NABCB: ISO 13485**



**ISO 9001: IAF**



**ISO 14001: IAF**



**ISO 45001: IAF**



**7 Electric Safety  
Certifications**



**WHO GMP**



**BIFMA Certified,  
BIFMA Level 3**



**ASTM- Corrosion  
Free Products**



**ISO 2409**

**EN 13523-26,  
ISO 13849-1,  
IP 69, IP 65**

**& many other...**

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## OUR ESTEEMED CUSTOMERS



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### Authorized Distributor Details