

Midea Biomedical

Cold chain & laboratory equipment for hospitals, blood banks, pharmacy and research

The complete Midea Biomedical range — -86°C ultra-low temperature freezers, blood bank and pharmacy refrigerators, cryogenic storage and laboratory equipment — supplied, installed, calibrated and serviced in Bangladesh by LabCare.

ULT freezers

Pharmacy refrigerators

Blood bank

Biomedical freezers

Ice-lined

LN_2 & cryostorage

Safety cabinets

Freeze dryers

Centrifuges

Incubators & ovens

Transport coolers



AUTHORISED DISTRIBUTOR
Midea Biomedical · Bangladesh

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labcare.com.bd

One partner, from –86 °C to +8 °C.

LabCare Ltd. is the authorised local distributor for Midea Biomedical in Bangladesh. Everything in this catalogue is available with local specification support, import and supply, installation and commissioning, calibration and validation, preventive maintenance, and locally held spares and consumables — one distributor, one point of accountability, from tender to service visit.

30+

years of Midea Group refrigeration R&D behind every unit

31%

of Midea Biomedical staff work in R&D

TÜV

co-operated laboratory; UL witness test data programme

500

Midea Group — a Fortune Global 500 manufacturer

CE

UL

FDA

ENERGY STAR

ISO 13485

NSF/ANSI 456

ATEX (MC-5L390)

Contents

Nine product families, one authorised source in Bangladesh.

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-86 °C Dual X ULT Freezer

Dual inverter, dual cooling, dual guard. The flagship ULT platform — two independent refrigeration systems, auto-adaptive global voltage and the lowest energy draw in the range.



MD-86L720BS



MD-86L860BS

DUAL X — KEY FEATURES

- **Dual Inverter** compressor and fan for ultimate efficiency
- **Super & even cooling** — cooling speed 3.55 h, ± 3 °C uniformity
- **Voltage Flex Tech** — 100–240 V auto-adaptive supply
- Energy saving up to **40%**, noise down **12%**
- 10.1" LCD touch control with remote alerts

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DUAL X MODELS

MD-86L580BS · MD-86L720BS · MD-86L860BS

-86 °C Lab Guard ULT Freezer

108 L to 860 L, upright and under-counter. The workhorse range for biobanks, university laboratories, hospital research units and vaccine reserve storage.



MD-86L108



MD-86L108S



MD-86L358



MD-86L458



MD-86L568



MD-86L708BS



MD-86L718



MD-86L838

LAB GUARD MODELS

MD-86L108 · MD-86L108S · MD-86L358 · MD-86L458 · MD-86L458S · MD-86L568 · MD-86L568BS · MD-86L708BS · MD-86L718 · MD-86L818BS · MD-86L838

LAB GUARD — KEY FEATURES

- Safe and reliable sample storage
- Double door design
- LED display / LCD display
- Multi-layer sealing structure
- Optimised refrigeration system

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SITING A -86 °C FREEZER — WHAT LABCARE CHECKS WITH YOU

- **Sample volume and rack format** — 2 mL cryovial boxes, 96-well plates or blood bags decide the capacity, not the litre figure alone.
- **Power and backup** — Voltage Flex accepts 100–240 V; we confirm the circuit rating, generator changeover and whether CO₂ or LN₂ backup is warranted.
- **Ambient and clearance** — heat rejection, room temperature and service access at the condenser.
- **Monitoring and alarms** — local alarm, remote alert routing and the temperature record your auditor will ask for.

2-8 °C Pharmacy Refrigerator

42 L to 1366 L, $\pm 1^{\circ}\text{C}$ uniformity. Vaccine, reagent and pharmaceutical storage — glass or solid door, under-counter to double-door, all audit-ready.



MC-5L42



MC-5L126



MC-5L416



MC-5L606



MC-5L756



MC-5L1006



MC-5L1366B



MC-5L416BT



MC-5L1006BT



MC-5L1366BT



MC-5L126C



MC-5L1006C

MC-5L390
Explosion-proof

PHARMACY REFRIGERATOR — KEY FEATURES

- **Dual display** and audit-ready temperature logging
- **Top cooling** with forced-air circulation
- Vaccine storage, **NSF/ANSI 456 certified**
- Advanced energy efficiency, ENERGY STAR certified
- Min/max recall, door-ajar alarm, lockable storage

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MC-5L390 — EXPLOSION-PROOF

- Inverter compressor
- Super and even cooling
- Eco-efficient cooling
- **Explosion-proof design** safely stores sensitive materials

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FULL PHARMACY RANGE

Glass door: MC-5L42 · MC-5L126 · MC-5L216 · MC-5L316 · MC-5L416 · MC-5L606 · MC-5L756 · MC-5L1006 · MC-5L1366B
 | Drawer/BT: MC-5L416BT · MC-5L1006BT · MC-5L1366BT | Solid door: MC-5L126C · MC-5L316C · MC-5L416C · MC-5L1006C | Explosion-proof: MC-5L390

Ice-lined Refrigerator

Holdover protection for last-mile EPI. Ice-lined storage that keeps vaccines in range through extended power interruption.

MBC-180 / IBC-180
73-hour coldlast

ICE-LINED REFRIGERATOR — KEY FEATURES

- Ice-lined refrigeration system
- Precise temperature control
- International compliance for EPI programmes
- Chest configuration for last-mile deployment

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4 °C Blood Bank Refrigerator

206 L to 1306 L. Purpose-built for transfusion services — stainless sliding drawers, top cooling and continuous temperature recording.



MXY-206
206 L



MXY-558
558 L



MXY-1306
1306 L

BLOOD BANK — KEY FEATURES

- **Precise temperature control** for whole blood and components
- LED interior lighting
- **Stainless steel sliding drawers**
- Top cooling with even air distribution
- Multi-stage alarms and USB data recording

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–25 / –30 / –40 °C Biomedical Freezer

106 L to 850 L. Plasma, reagent and long-term sample storage with CFC-free insulation and ≤ 3 °C uniformity.



MD-25/40L106



MD-25/40L308



MD-25/40L518



MD-30/40L850B

BIOMEDICAL FREEZER — KEY FEATURES

- **Accurate temperature control**, safe and reliable
- Efficient refrigeration and full-effect insulation
- CFC-free insulation, Eco-Fridge™ refrigerant
- HIPS drawers, dual lock, thaw-cycle protection

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Combined Refrigerator & Freezer

2–8 °C with –25 °C or –40 °C in one footprint. 350 L and 506 L, for laboratories where floor space is the constraint.



MCD-25L350
2–8 °C / –25 °C · 350 L



MCD-40L350
2–8 °C / –40 °C · 350 L

COMBINED UNITS — KEY FEATURES

- Independent temperature control per compartment
- Security system with multi-stage alarms
- Humanised design and ergonomic access
- Models: MCD-25L350 · MCD-40L350 · MCD-25L506 · MCD-40L506

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LN₂ Biological Dewars

1.5 L to 1800 L. Round canister and square rack dewars, dry shippers, vapour-phase storage and self-pressurised supply tanks.

ROUND CANISTER SERIES — 1.5–50 L · SQUARE RACK SERIES — 10–175 L**DRY SHIPPER DEWARS — 1.5–25 L · SMALL VAPOUR PHASE — 65–175 L****LARGE VAPOUR-PHASE STAINLESS LN₂ TANKS — 370–1800 L · SELF-PRESSURISED SUPPLY — 30–500 L****ALSO AVAILABLE**

Round canister: YDS-10-80 · YDS-15 · YDS-30 · YDS-50B-125 | Square rack: YDS-10-125 · YDS-50-125 · YDS-175-216 |
Dry shipper: YDH-6-80 · YDH-10-125 · YDH-15-216 · YDH-25-216 | Self-pressurised: YDZ-200 · YDZ-230 · YDZ-300 · YDZ-500

Controlled-Rate Freezer & Transport Cooler

Programmable freezing curves for IVF, cell therapy and stem-cell banking — and validated 6–50 L transport of blood, vaccines and samples between facilities.



Biological Safety Cabinet

Class II A2 containment in 1000, 1300 and 1600 mm working widths — for microbiology, tissue culture, diagnostics and pharmacy compounding.



MSC-1000IIA2 / 1300IIA2 / 1600IIA2
Class II Type A2

BIOLOGICAL SAFETY CABINET

- **Class II Type A2** personnel, product and environmental protection
- HEPA-filtered downflow and exhaust
- Motorised sash with alarmed working height
- Models: MSC-1000IIA2 · MSC-1300IIA2 · MSC-1600IIA2

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Clean Bench

Laminar-flow clean work at 840, 1320 and 1640 mm — product protection for media preparation, plating and electronics-grade assembly.



MCB-840VA / 1320VA / 1640VA
Horizontal laminar flow

CLEAN BENCH

- Horizontal laminar airflow across the work surface
- HEPA filtration with airflow indication
- Stainless work surface, UV option
- Models: MCB-840VA · MCB-1320VA · MCB-1640VA

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Lab Freeze Dryer

Bench-top to pilot scale. Manifold and shelf-type lyophilisers for reagents, biologicals and heat-sensitive formulations.



MD-10S / 10P / 10T / 10PT



MD-10E / 10EP / 10ET / 10EPT



MD-20/50S / 20/50T

FREEZE DRYER MODELS

MD-10S · MD-10P · MD-10T · MD-10PT | MD-12/18S · MD-12/18P · MD-12/18T · MD-12/18PT | MD-20/50S · MD-20/50T | MD-10E · MD-10EP · MD-10ET · MD-10EPT

SPECIFYING CLEAN-WORK EQUIPMENT WITH LABCARE

- Tell us the **work you need to protect** — personnel and product (safety cabinet) or product only (clean bench) — and the bench width available.
- We supply, install, and carry out **on-site airflow and HEPA integrity verification** at commissioning.
- Annual re-certification and filter replacement are available under a preventive maintenance contract.
- Freeze dryers are matched to your **batch volume, product resistance and target residual moisture**.

Centrifuges

3,000 to 24,000 rpm. Bench-top, portable and floor-standing platforms — refrigerated and ambient — for blood stations, diagnostics and research.

LOW SPEED — 2,000–6,000 RPM

MLX-2010
3,000 rpm



MLX-2004
4,000 rpm



MLX-2006
4,000 rpm

LOW SPEED MODELS

MLX-2010 · MLX-2004 · MLX-2006 · MLX-2002 / 2018 / 2030 / 2032 · MLX-2038 / 2040 / 2044 / 2048 (2,000–6,000 rpm)
· MLX-2050 (6,000 rpm)

LOW SPEED REFRIGERATED — 6,000–8,000 RPM

MLX-1042R
6,000 rpm



MLX-1048R
6,000 rpm



MLX-1050R
6,000 rpm



MLX-1062R
6,000 rpm

LOW SPEED REFRIGERATED MODELS

MLX-1042R · MLX-1048R · MLX-1050R · MLX-1062R (6,000 rpm) · MLX-1080R (8,000 rpm)

HIGH SPEED & HIGH SPEED REFRIGERATED — 7,000–24,000 RPM

MLX-2012H / 2018H / 3021H / 3022H
15,500–21,000 rpm

HIGH SPEED RANGE

- **High speed:** MLX-2002H & MLX-2004H (7,000 rpm); MLX-2006H & MLX-2008H (12,000 rpm)
- MLX-2012H / 2018H / 3021H / 3022H — 15,500–21,000 rpm
- **High speed refrigerated:** MLX-2012HR / 2018HR — 15,500 / 21,000 rpm
- MLX-3020HR / 3021HR / 3022HR and MLX-3024HR — 24,000 rpm
- MLX-2026HR / 3060HR — 1,000–21,000 rpm

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ROTORS AND ACCESSORIES

Swing-out and fixed-angle rotors, blood-bag and microplate carriers, and adaptors for 0.2–500 mL tubes are quoted with the instrument. Tell us your tube format and throughput and we will specify the rotor set with it.

CO₂ Incubator

Cell culture with stable CO₂ and humidity. 80 L, 180 L and 240 L chambers with air-jacket or water-jacket temperature control.



MCP-80P / 80S

CO₂ INCUBATOR RANGE

- MCP-80P · MCP-80S — 80 L
- MCP-180P · MCP-180S · MCP-180UE — 180 L
- MCP-240P · MCP-240S — 240 L
- Stable CO₂ and humidity control for cell and tissue culture

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Ovens & Incubators

Vacuum, forced-air and biochemical. Drying, sterilising and constant-temperature incubation across the laboratory workflow.

MOV-30 / 65 / 120
Lab vacuum ovenMF-02G / 12G / 22G
Forced air lab ovenMH-10 / MH-15 / MH-25
Constant temperature incubator**OVENS**

- Lab vacuum oven MOV-30 · MOV-65 · MOV-120
- Forced air lab oven MF-02G · MF-12G · MF-22G
- Uniform heating with programmable set-points

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INCUBATORS

- Constant temperature incubator MH-10 · MH-15 · MH-25
- Low-temperature biochemical incubator MH-150C · MH-260C
- Cooled incubation for BOD, germination and microbiology

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NOT LISTED HERE?

Midea Biomedical's range extends beyond this catalogue, and models are added each year. If you need something you cannot find on these pages — a capacity, a temperature, a certification or an accessory — send the requirement to biomedical@labcare.com.bd and we will come back with the current model and a quotation.

Specify it once. Get it right.

Send us your tender specification, sample volumes or required storage temperatures. We will size the right Midea Biomedical unit, quote it, install it, calibrate it and keep it running.

Specification support

We size the unit against your sample volumes, rack format, storage temperature and tender wording — before you commit.

Installation & commissioning

Delivery, positioning, power-up, first-run verification and hand-over training at your site.

Preventive maintenance

Scheduled service contracts that keep alarms, seals, filters and refrigeration performing to specification.

Import & supply

Direct authorised supply from Midea Biomedical, with the documentation your procurement and customs process needs.

Calibration & validation

Temperature mapping and calibration certificates for audit, accreditation and regulatory inspection.

Spares & consumables

Locally held spares, racks, canisters and consumables — so a fault is a service call, not a shipping delay.



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