



GUANGZHOU LVDONG HIGH-TECH

CRYO STORAGE · LAB SOLUTIONS

Cryogenic Storage & Laboratory Product Catalog

Precision storage boxes, stainless steel racks, lifting systems, programmed freezing solutions and lab consumables for ultra-low freezers and liquid-nitrogen storage — engineered and manufactured by Lvdong.

Global Partner for Cryo & Lab Solutions!



01 About Lvdong

Guangzhou Lvdong High-Tech Co., Ltd. was founded in 2017. We are a trusted global supplier of high-quality laboratory products and complete laboratory solutions, backed by strong in-house R&D and full-scale manufacturing.

We operate dedicated production facilities covering the entire workflow — from smart production planning and automated manufacturing to precision packaging and rigorous multi-stage quality inspection. This end-to-end control ensures stable mass production and flexible, customized OEM services tailored to global clients' needs.

Our solutions support research institutions, laboratories, and enterprises worldwide, delivering reliable products and personalized services that meet international quality standards.

Global Partner for Cryo & Lab Solutions!



02 Product Index

A complete look at what Lvdong manufactures and supplies.

#	Product Line	Material / Note
1	OEM & ODM Customization	Free design · lead time ~30 days
2	Cryo Boxes	PC / PP / SS / Cardboard
3	Blood Collection Tube Boxes	PS, for blood tubes
4	Cryo Racks & Storage Systems	Stainless steel, -196~121°C
5	Cryo Tubes & Centrifuge Tubes	For laboratory use
6	Centrifuge Tube Racks & Boxes	PP
7	Programmed Freezing Box	EVA, gradient-rate, for 2ml/5ml tubes
8	Lifting & Extraction Systems	Fixed & mobile
9	Lab Supplies & Consumables	Also supplied

03 OEM & ODM Customization

Years of manufacturing experience to meet your customized needs. As the source factory, Lvdong provides quick customization with **free one-to-one design** and worry-free after-sales support — from a single laser-engraved logo to a complete rack system built to your freezer's internal dimensions.

Free design

One-to-one service, free plans & drawings

Source factory

Own manufacturing since 2017

~30-day lead time

Typical custom order cycle

Samples

Can be arranged on request

Customization process

1 Inquiry

Share your requirements — any product or size, or the internal dimensions of your freezer / tank

2 Free design

One-to-one service with free plans and drawings

3 Confirm & deposit

Size checked and confirmed, deposit paid

4 Sample

A sample can be arranged as needed

5 Production

Manufactured to order per confirmed drawings

6 Delivery

Balance payment, shipment arranged

What can be customized

Built to your dimensions: racks and brackets made to the internal dimensions of your freezer or tank; blood-bag racks are fully custom — send the tank model and bag capacity for a **free layout drawing**. Laser-engraved logos, custom packaging and color options are available on bulk orders.

Custom projects & special brackets

Brackets for programmed freezing boxes

- Vial holders
- Reagent tube holders of different volumes
- Cell-culture bag holders
- Cryo straw holders
- Skin sample freezing holders

Liquid-nitrogen tank solutions for special items

- Skin sample cryopreservation racks
- Cryo straw holders
- Blood-bag box cryopreservation racks

Removable / fixed custom brackets

- Laboratory carts
- Incubator layer racks
- Single-layer / multi-layer laboratory operation tables

Custom aluminum alloy boxes

- Cryopreservation boxes
- Test tube boxes
- Cryopreservation bag boxes

Customization available for bulk orders. Contact us with your requirements for a free design proposal.

04 Cryo Boxes

Custom sizes · Logo · Bulk OEM

Lvdong cryo boxes organize and protect 0.5–5.0 ml cryo tubes inside ultra-low freezers and liquid-nitrogen tanks. High-quality PC/PP/Stainless Steel or cardboard construction, with clear grid indexing (25 / 49 / 81 / 100 wells) and color options for fast sample identification. Flip-top/Lid and Base designs prevent tube ejection.



Plastic boxes (PC / PP)

Model	Dimensions (mm)	Material	Cryo tubes	Usage
LD9X9PC-52	133×133×52	PC	81 × 1.5 ml/1.8 ml/2.0 ml Cryotube	LN2/ULT Freezer
LD10X10PC-52	133×133×52	PC	100 × 1.5 ml/1.8 ml/2.0 ml Cryotube	LN2/ULT Freezer
LD5X5PC-52	76×76×52	PC	25 × 1.5 ml/1.8 ml/2.0 ml Cryotube	LN2/ULT Freezer
LD9X9PC-95	133×133×95	PC	81 × 5 ml Cryotube	LN2/ULT Freezer
LD9X9PP-52	133×133×52	PP	81 × 1.5 ml/1.8 ml/2.0 ml Cryotube	LN2/ULT Freezer
LD10X10PC-36	133×133×36	PC	100 × 0.5 ml Cryotube	LN2/ULT Freezer
LD9X9EP-52	133×133×52	PC	81 × EP Tube	LN2/ULT Freezer
LD9X9EP-52	133×133×52	PC	81 × EP Tube (with Divider)	LN2/ULT Freezer
LD9X9PC-66	133×133×66	PC	81 × EP Tube	LN2/ULT Freezer
LD7X7PC-66	133×133×66	PC	49 × 1.8 ml/2.0 ml Cryotube	LN2/ULT Freezer
LD6X6PC-66	133×133×66	PC	36 × 1.8 ml/2.0 ml Cryotube	LN2/ULT Freezer
LD5X5PC-66	133×133×66	PC	25 × 1.8 ml/2.0 ml Cryotube	LN2/ULT Freezer

04 Cryo Boxes

CONT.

Stainless steel boxes

Model	Dimensions (mm)	Material	Cryo tubes	Usage
LD5X5BXG-52	76×76×52	Stainless steel	25 × 1.5 ml/1.8 ml/2.0 ml Cryotube	LN2/ULT Freezer
LD5X5BXG-95	76×76×95	Stainless steel	25 × 5.0 ml Cryotube	LN2/ULT Freezer
LD9X9BXG-52	133×133×52	Stainless steel	81 × 1.5 ml/1.8 ml/2.0 ml Cryotube	LN2/ULT Freezer
LD9X9BXG-95	133×133×95	Stainless steel	81 × 5 ml Cryotube	LN2/ULT Freezer

Paper / cardboard boxes

Model	Dimensions (mm)	Material	Cryo tubes	Usage
LD10X10B-36	133×133×36	Inner/outer waterproof paper	100 × EP Tube	ULT Freezer
LD10X10B-52	133×133×52	Inner/outer waterproof paper	100 × 1.5 ml/1.8 ml/2.0 ml Cryotube	ULT Freezer
LD10X10B-49	140×140×49	Inner/outer waterproof paper	100 × 1.5 ml Cryotube	ULT Freezer
LD10X10B-102	180×180×102	Inner/outer waterproof paper	100 × Blood Collection Tubes	ULT Freezer
LD9X9B-52PP	133×133×52	Inner/outer waterproof paper + PP frame	81 × 1.5 ml/1.8 ml/2.0 ml Cryotube	ULT Freezer
LD5X5B-135	133×133×135	Inner/outer waterproof paper	25	ULT Freezer
LD9X9B-52	133×133×52	Inner/outer waterproof paper	81 × 1.5 ml/1.8 ml/2.0 ml Cryotube	ULT Freezer

Blood-bag boxes (aluminum)

Model	Dimensions (mm)	Material
LD25	90×98×11	Aluminum
LD50	90×155×11	Aluminum
LD250	140×200×11	Aluminum
LD500	145×275×11	Aluminum

05 Blood Collection Tube Boxes Promoted

Custom sizes · Logo · Bulk OEM

Lvdong blood-collection-tube boxes — also supplied as sample storage / refrigeration boxes — are molded from high-strength PS for repeated freeze–thaw cycles and long-term sample preservation in ultra-low freezers and liquid-nitrogen environments.



- Reusable PS — withstands repeated freezing and thawing for long-term storage
- For ultra-low freezers and LN₂ storage (–196 °C to –86 °C)
- Resistant to alcohol and mild organic solvents
- Unique slot & line design speeds sample cooling and drains liquid quickly
- International standard dimensions fit standard blood-collection tubes; textured base with drain holes for LN₂ placement and circulation
- Available with / without rubber pad; customization available

Model selection

Model	Compatible tubes	Cap	Rubber pad	L×W×H (mm)	Well Ø×H (mm)	Color
CXG100-R-3	2–3 ml	Without	With	200×191×84	13×75	Red
CXG100-B-3	2–3 ml	Without	With	200×191×84	13×75	Blue
CXG100-G-3	2–3 ml	Without	With	200×191×84	13×75	Green
CXG100-R-3-DM	2–3 ml	With	Without	200×191×89	13×75	Red
CXG100-B-3-DM	2–3 ml	With	Without	200×191×89	13×75	Blue
CXG100-G-3-DM	2–3 ml	With	Without	200×191×89	13×75	Green
CXG100-R-6	5–6 ml	Without	With	200×191×109	13×100	Red
CXG100-B-6	5–6 ml	Without	With	200×191×109	13×100	Blue
CXG100-G-6	5–6 ml	Without	With	200×191×109	13×100	Green
CXG100-R-6-DM	5–6 ml	With	Without	200×191×104	13×100	Red
CXG100-B-6-DM	5–6 ml	With	Without	200×191×104	13×100	Blue
CXG100-G-6-DM	5–6 ml	With	Without	200×191×104	13×100	Green

Standard (uncapped) versions include a rubber pad; -DM versions are capped, without rubber pad. 100-well (10×10) capacity.

06 Cryo Racks & Storage Systems

Custom sizes · Logo · Bulk OEM

Engineered from high-quality stainless steel (1.2 mm), Lvdong racks are stamped from a single steel sheet — smooth edges, built to last. Rated for -196°C to 121°C , they fit 1" and 2" cryo boxes and maximize storage density in upright and chest freezers and LN_2 tanks. Fixed, portable, drawer, blood-bag and programmable-freezer configurations, with OEM customization.



Pull-ring type racks

Model	Type	Dimensions (mm)
LD4X3	Pull-ring, for 1"&2" cryo boxes	420×140×232
LD4X4	Pull-ring, for 1"&2" cryo boxes	560×140×232
LD5X3	Pull-ring, for 1"&2" cryo boxes	420×140×290
LD5X4	Pull-ring, for 1"&2" cryo boxes	560×140×290
LD5X5	Pull-ring, for 1"&2" cryo boxes	685×140×290
LD6X5	Pull-ring, for 1"&2" cryo boxes	685×140×342
LD7X5	Pull-ring, for 1"&2" cryo boxes	685×140×290

06 Cryo Racks & Storage Systems CONT.

Portable handheld racks (LD7–LD15)

Model	Type	Dimensions (mm)
LD7	Pull-ring / handle type	142×140×414
LD8	Pull-ring / handle type	142×140×472
LD9	Pull-ring / handle type	142×140×530
LD10	Pull-ring / handle type	142×140×588
LD11	Pull-ring / handle type	142×140×624
LD12	Pull-ring / handle type	142×140×680
LD13	Pull-ring / handle type	142×140×736
LD14	Pull-ring / handle type	142×140×792
LD15	Pull-ring / handle type	142×140×848

Drawer storage racks

Model	Type	Dimensions (mm)
LD560X205X237	Drawer type	560×205×237
LD560X205X295	Drawer type	560×205×295
LD670X205X295	Drawer type	670×205×295
LD560X280X295	Drawer type	560×280×295
LD670X280X295	Drawer type	670×280×295

Stainless carts

Model	Material	L×W×H×Diagonal (mm)
LD-TC-690	stainless steel	535×535×125×690
LD-TC-580	stainless steel	410×410×125×580

06 Cryo Racks & Storage Systems CONT.

Blood-bag racks with handles keep blood bags upright and secure during freezer storage and transfer. Custom layouts are available — share your tank model and bag capacity for a free layout drawing.

Blood-bag racks (handle)

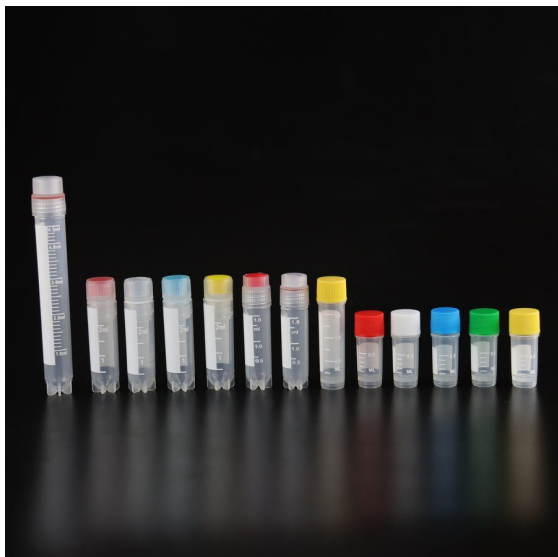
Model	For blood bags	Dimensions (mm)
LD25-5C	25 ml, 5 tiers	500×110×15
LD25-6C	25 ml, 6 tiers	590×110×15
LD25-7C	25 ml, 7 tiers	702×110×15
LD50-5C	50 ml, 5 tiers	500×160×15
LD50-6C	50 ml, 6 tiers	590×160×15
LD50-7C	50 ml, 7 tiers	702×160×15
LD50-8C	50 ml, 8 tiers	800×160×15
LD50-9C	50 ml, 9 tiers	900×160×15
LD250-4C	250 ml, 4 tiers	633×210×15
LD250-5C	250 ml, 5 tiers	785×210×15
LD250-6C	250 ml, 6 tiers	940×210×15
LD500-4C	500 ml, 4 tiers	633×285×15
LD500-5C	500 ml, 5 tiers	785×285×15
LD500-6C	500 ml, 6 tiers	940×285×15

Programmable-freezer racks

Model	Type	Dimensions (mm)
LD50-10C	Pull-ring type	157×97×228
LD250-10C	Pull-ring type	200×150×238
LD76K-3C	5 ml, 76-well	248×155×305
LD76K-5C	2 ml, 76-well	248×155×305

07 Cryo Tubes & Centrifuge Tubes

Cryo and centrifuge tubes with secure threaded caps, available in internal / external thread and multiple volumes, supplied in lab-ready packs.



Cryo tubes

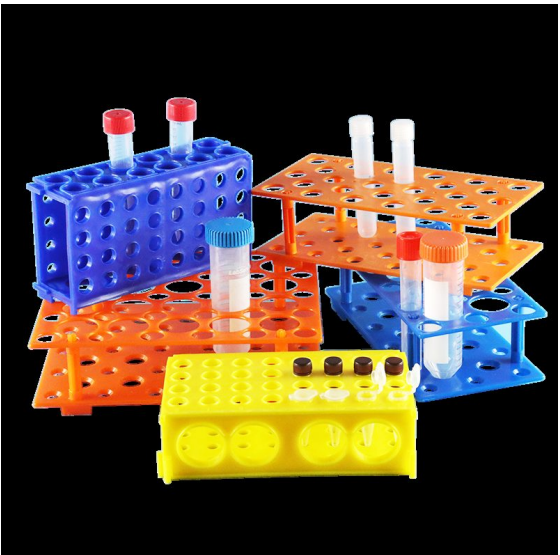
Model	Volume	Thread	Dimensions (mm)	Pack
LD5W	0.5 ml	External	31×12	100 / pack
LD15W	1.5 ml	External	46×12	100 / pack
LD18W	1.8 ml	External	48×12	100 / pack
LD20N	2 ml	Internal	47×12	100 / pack
LD50W	5 ml	External	91×12	100 / pack

Centrifuge tubes

Model	Volume	Dimensions (mm)	Pack
LD1.5EP	1.5 ml	10.3×41	500 / rack
LD15EP	15 ml	22×120	50 / rack
LD50EP	50 ml	34×118	25 / rack

08 Centrifuge Tube Racks & Boxes

Lightweight PP racks and boxes keep centrifuge tubes (0.5–50 ml) organized on the bench and in storage.



Centrifuge tube racks

Model	Type	Dimensions (mm)
LD4PP-80-49	4-side rack, 0.5/1.5/15/50 ml	170×94×49
LD2PP-28-62	28-hole, 15/50 ml	270×98×62
LD1PP-28-60	28-hole, 15 ml	250×97×60
LD2PP-50-60	50-hole, 15/50 ml	270×172×60

Centrifuge tube boxes

Model	Dimensions (mm)	Compatible tubes
LD6X6PP-126	145×145×126	36-well, 15 ml tubes
LD4X4PP-126	145×145×126	16-well, 50 ml tubes

09

Programmed Freezing Box

NEW

Custom sizes · Logo · Bulk OEM

Gradient programmed freezing boxes come in **two sizes** — one for **2 ml** and one for **5 ml** cryo tubes — with or without the gradient module. Made from **EVA**, they deliver a controlled cooling rate **without isopropanol or other freezing media**, and are designed for **cell freezing and thawing** in **ultra-low temperature (ULT) freezers**. Reusable and offered in multiple colors.

- **Gradient cooling** — structured design delivers a consistent cooling rate for sample protection
- **Reusable** — withstands repeated ultra-low temperature freezer cycles without degradation
- **Multi-color** — available in assorted colors for easy sample identification
- **Customizable** — logo, color, and packaging can be tailored to your brand



Models

Model	Compatible cryo tubes	Dimensions (mm)	Color
LD2PE-12	1.8-2 ml	H102 × Dia.115	Green/Blue/Purple (with module)
LD2PE-12N	1.8-2 ml	H102 × Dia.115	Green/Blue/Purple (without module)
LD5PE-12	5 ml	H143 × Dia.97	Blue (with module)
LD5PE-12N	5 ml	H143 × Dia.97	Blue (without module)

10 Lifting & Extraction Systems

Custom sizes · Logo · Bulk OEM

Fixed and mobile extraction systems for safe, fast retrieval of racks and boxes from deep freezers and LN₂ tanks — minimizing frost exposure and operator strain.



Model / Item	Product Name	Specification
LD-1300B	Lifting System	Fixed lifting / extraction system
1.9-3.3 m	Move Lifting Arm	Mobile jib arm

11 Lab Supplies & Consumables

Lvdong also offers a wide range of laboratory supplies and consumables to support your sample-handling workflow.

Pipetting & Liquid Handling

Pipette tips (various volumes)

Chromatography vials

Disposable syringe filters

Safety & PPE

Nitrile gloves

Disposable bouffant caps

Disposable shoe covers

Laboratory waste bags

Stainless Steel Labware

Stainless steel trays

Stainless steel cotton jars

Stainless steel disinfection boxes

Stainless steel instrument carts

Stainless steel waste carts

Stainless steel disinfection cabinets

Stainless steel storage racks

Stainless steel measuring cups

Stainless steel centrifuge tube racks (18-hole)

Cryogenic Accessories

LN2 dewars / buckets / pots / bowls

LN2 level gauges

LN2 pumps

LN2 retrievers

LN2 dewar carts

Frozen straws

SBS cryo boxes

25-well cryo boxes (66 mm high)

96-well centrifuge tube boxes / ice boxes

Liquid-Nitrogen Tank Tools

Liquid-nitrogen spoon

Liquid-nitrogen flask

Liquid-nitrogen lifting bucket

Liquid-nitrogen pot

Liquid-nitrogen bowl

Liquid-nitrogen basin

11 Lab Supplies & Consumables CONT.

Freezer & Bench Accessories

Retrieval tongs

Chrysanthemum-shaped cup (for animal semen straws — cattle, sheep, etc.)

Lab Containers & General

Ice boxes

Urine / stool / sputum cups

8-strip tubes

Dish drainers

Vials (glass)

Glass colorimetric tubes

Mouse / rat cages

Homogenizer bag racks

Small lift platforms

Separatory funnel rack

Sample Preparation Equipment

Homogenization bags

Water baths

Electric stirrers

Agate mortar & pestle

PCR plate magnetic stands

Glassware air dryers

Endoscope disinfection frames

Slide drainers

Mouse dissection instrument sets

Moisture-meter sample pans / aluminum dishes / weighing boats

Labels & Indicators

Autoclave indicator tape

Cryo labels / thermal labels / printable labels



Note: Zebra printers, sample-management software and Brady ribbons are not included in this catalog. Labels are included in the list above. The list covers 55 items across 9 categories — contact us for the full catalog with pricing.

12 Ordering & Contact

All products are EXW Guangzhou. We support OEM customization and global shipping.

Guangzhou Lvdong High-Tech Co., Ltd.

Founded 2017 · Own factory · R&D + manufacturing

Email: gzlvdong@gmail.com

Web: www.lv-dong.com

Address: Huangpu District, Guangzhou, China

Contact us for quotes, OEM inquiries and samples.

Free design

One-to-one service,
free plans &
drawings

Source factory

Own manufacturing
since 2017

~30-day lead time

Typical custom order
cycle

Global shipping

EXW Guangzhou,
worldwide delivery