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COLO.SCIENCE HIGH CAPACITY CENTRIFUGE

LACE56N

High Capacity High Speed Centrifuge | neutral / non-refrigerated model

LACE56N is the neutral, non-refrigerated model of the LACE56 platform for laboratories that need a flexible desktop centrifuge with large-volume swing-out rotors, broad adapter compatibility and routine performance up to 6000 rpm, 6321 x g and 4 x 750 ml maximum capacity.

6000 RPM

6321 X G

4 x 750 ML MAX.

5-INCH TOUCH SCREEN

AUTO ROTOR ID

NCP ROTOR TECHNOLOGY →

NANO CERAMIC CHAMBER TECHNOLOGY

Document: English Technical Specification

Product: **LACE56N** High capacity laboratory centrifuge Touch Screen 6000rpm/6321xg

Rotor families: **11** | Adapter options: **37**

Format: **A4 landscape** | **7 pages** | **enlarged rotor and adapter cards**



LACE56N high capacity centrifuge | rotor sold/configured according to order

PRODUCT NO.

PRO6932

MODEL

LACE56N

CONTACT

sales@colo.si

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Performance, control and protection

Neutral high-capacity centrifugation with wide rotor and adapter selection

MAXIMUM SPEED

6000 rpm

MAXIMUM RCF

6321 x g

MAX. CAPACITY

4 x 750 ml

ROTOR ID

Automatic

RAMP CONTROL

10 levels

Key features

High-capacity platform: supports large-volume bottles, conical tubes, round-bottom tubes, blood collection tubes and microplates with the matching rotor family.

Automatic rotor identification: helps prevent incorrect rotor selection and supports safer operation.

Touch operation: 5-inch screen for speed, RCF, time, acceleration and deceleration parameters.

10-stage procedure support: multi-stage programs, quick-spin, timed startup and parameter changes during operation.

Nano Ceramic chamber technology: corrosion-resistant chamber concept added as a highlighted technology badge.

Safety and configuration

Electronic door lock: lid protection during rotation.

3-level rubber damping: vibration reduction and automatic balance support.

Imbalance protection: automatic stop support for safer operation.

Biosafety options: selected airtight rotor / adapter configurations must be confirmed per application.

NCP fixed rotors: PRO7063 and PRO6945 are marked as NCP fixed rotor configurations.

NCP

Carbon-Fiber Composite Rotor Technology

Lightweight, high-strength rotor platform with linked technical reference.

NANO

Nano-Ceramic Chamber Technology

Corrosion-resistant coated chamber for easier cleaning and longer service life.

Configuration note: choose the rotor by tube or bottle format, working volume, bottom geometry, required RCF and any biosafety sealing requirement. Final operating limits depend on the selected rotor, bucket, adapter and sample vessel.

Main technical specifications

Parameter	Specification	Parameter	Specification
Model	LACE56N neutral / non-refrigerated high capacity centrifuge	Power range	AC 220 ±22 V, 50 Hz, 16 A
Model code reference	PRO6932	Power consumption	800 W
Classification	Medical centrifuge / laboratory centrifuge	Speed accuracy	±10 rpm / min
Structure	Desktop	Time setting	1 s - 99 min 59 s / 1 min - 99 h 99 min
Material	Steel	Rotor / adapter range	0.2 ml tubes to 750 ml tubes / bottles, multi-well plate formats and selected blood tube workflows
Maximum speed	6000 rpm, rotor dependent	Weight	50 kg
Maximum RCF	6321 x g, rotor dependent	Instrument size	55 × 47 × 35 cm
Maximum capacity	4 × 750 ml with compatible swing-out rotor	External dimension	760 × 720 × 540 mm
Control interface	5-inch touch screen	Certification	CE, ISO

Configuration package logic

Host centrifuge

PRO6932 LACE56N base unit
 Neutral / non-refrigerated platform
 Rotor sold/configured separately

Rotor family

12 × 10 ml fixed / angle rotors
 4 × 250, 300, 500 and 750 ml swing-out rotors
 Microplate and blood tube rotors

Adapter family

Adapters are shown directly on rotor cards
 Tube bottom geometry must be confirmed
 Operating limit follows the lowest rated component

Rotor portfolio

Part 1 of 3 | compatible adapters are shown directly on each rotor card



SKU PRO6945

NCP

12x10 ml Rotor (Rounded) 6000rpm/6321xg

Listed limit: 6000 rpm / 6321 x g

COMPATIBLE ADAPTERS

Direct rotor configuration



SKU PRO6946

4x250ml Swing out rotor (Square cup) 4000rpm/3040xg

Listed limit: 4000 rpm / 3040 x g

COMPATIBLE ADAPTERS

PRO6947 4x4x50ml (Conical bottom)

PRO6948 4x8x15ml (Conical bottom)

PRO6949 4x8x10ml (rounded bottom)

PRO6950 4x14x5ml (rounded bottom)

PRO6951 4x14x1.5/2ml (rounded bottom)

PRO6952 4x10x10ml (blood collection tube)

PRO6953 4x18x5ml (blood collection tube)

PRO6959 4x4x50ml (Conical Bottom)



SKU PRO6954

4x300ml Swing out rotor (4x250ml Conical - bottom Corning bottle) 4000rpm/3040xg

Listed limit: 4000 rpm / 3040 x g

COMPATIBLE ADAPTERS

PRO6955 50 to 300ml for rotor PRO6954 volume at choice



SKU PRO6956

BioSafe

4x500ml Swing out Biosafety Rotor (Rounded) 4000rpm/3500xg

Listed limit: 4000 rpm / 3500 x g

COMPATIBLE ADAPTERS

PRO6958 4x250ml (Rounded)

PRO6959 4x4x50ml (Conical Bottom)

PRO6960 4x100ml (Rounded)

PRO6961 4x9x15ml (Conical Bottom)

PRO6962 4x9x10ml (Rounded)

PRO6963 4x14x5ml (Rounded) PRO6964 4x14x1.5/2ml

PRO6965 4x12x10ml (Blood collection tube Cap-removing)

PRO6966 4x14x2/5/7 ml (Blood collection tube Cap-removing)

Rotor portfolio

Part 2 of 3 | large bottle and tube formats



SKU PRO6957

4x500ml Swing out Rotor (Rounded) 4000rpm/3500xg

Listed limit: 4000 rpm / 3500 x g

COMPATIBLE ADAPTERS

- PRO6958 4x250ml (Rounded)
- PRO6959 4x4x50ml (Conical Bottom)
- PRO6960 4x100ml (Rounded)
- PRO6961 4x9x15ml (Conical Bottom)
- PRO6962 4x9x10ml (Rounded)
- PRO6963 4x14x5ml (Rounded)
- PRO6964 4x14x1.5/2ml
- PRO6965 4x12x10ml (Blood collection tube Cap-removing)
- PRO6966 4x14x2/5/7 ml (Blood collection tube Cap-removing)



SKU PRO6967

4x750ml Swing out Rotor (Rounded) 4000rpm/3500xg

Listed limit: 4000 rpm / 3500 x g

COMPATIBLE ADAPTERS

- PRO6968 4x500ml (Conical /Round Bottom)
- PRO6969 4x250 ml (Conical /Round Bottom)
- PRO6970 4x3x100 ml (Conical /Round Bottom)
- PRO6971 4x7x50 ml (Conical)
- PRO6972 4x14x15 ml (Conical)
- PRO6973 4x14x10 ml (Rounded)
- PRO6974 4x21x5/6 ml (Rounded)
- PRO6975 4x26x1.5/2 ml (Conical/Rounded)
- PRO6976 4x19x10 ml (Blood collection tube Cap removing)
- PRO6977 4x24x5/7 ml (Blood collection tube Cap removing)



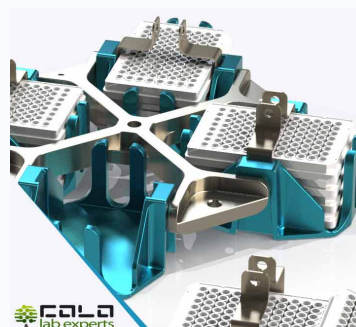
SKU PRO6978

4x750ml Swing out Rotor (Square) 4000rpm/3580xg

Listed limit: 4000 rpm / 3580 x g

COMPATIBLE ADAPTERS

- PRO6979 4x500ml (Rounded)
- PRO6980 4x250ml (Rounded)
- PRO6981 4x3x100ml (Rounded)
- PRO6982 4x7x50ml (Conical)
- PRO6983 4x14x15ml (Conical)
- PRO6984 4x14x10ml (Rounded)
- PRO6985 4x24x5/6ml (Rounded)
- PRO6986 4x30x1.5/2ml (Rounded/Conical)
- PRO6987 4x24x10ml (Blood collection tube cap removing)
- PRO6988 4x30x2/5/7ml (Blood collection tube cap removing)



SKU PRO6989

Swing out Rotor Microplate Holder Rack 4x4x96 4000rpm/3040g

Listed limit: 4000 rpm / 3040 x g

COMPATIBLE ADAPTERS

- Direct rotor configuration

Rotor portfolio

Part 3 of 3 | microplate, blood tube and remaining formats



SKU PRO6990

**96x5/7 ml Swing out Rotor Blood collection Tube
4000rpm/3000xg**

Listed limit: 4000 rpm / 3000 x g

COMPATIBLE ADAPTERS

Direct rotor configuration



SKU PRO6991

**120x5/7 ml Swing out Rotor Blood collection
Tube 4000rpm/3500xg**

Listed limit: 4000 rpm / 3500 x g

COMPATIBLE ADAPTERS

Direct rotor configuration



SKU PRO7063

12x10 ml Angle Rotor 6000 rpm / 6321 xg

Listed limit: 6000 rpm / 6321 x g

COMPATIBLE ADAPTERS

Direct rotor configuration

NCP

Configuration note: special-format rotors should be selected according to vessel geometry, loading pattern and required operating speed. Confirm final product photography before catalogue or quotation use.

MANUFACTURER AND SUPPORT

COLO Lab Experts

Polje ob Sotli 4, SI-3255, Slovenia

LACE56N selection should be matched to sample volume, bottle format, tube bottom geometry, target RCF, balancing requirements, biosafety expectation and the required rotor/adaptor combination.

QUICK CONTACT

colo.si

sales@colo.si

+386 64 222 724

Request a quote or rotor configuration guidance

Share the tube format, bottle volume, sample type, preferred throughput, target RCF and whether biosafety sealing is required. COLO can help match the correct LACE56N rotor, bucket and adapter configuration.

[Explore NCP rotor technology](#)[Open centrifuge catalog](#)[Email sales](#)[Call +386 64 222 724](#)

MAIN CENTRIFUGE NAVIGATION

[NCP Rotor Technology](#)[Laboratory Centrifuges Catalog](#)

ROTOR SUPPORT

[PRO7063 · 12 × 10 ml NCP](#)[PRO6945 · 12 × 10 ml NCP](#)[4 × 750 ml swing-out](#)

QUOTE & TECHNICAL SUPPORT

[Request a Quote](#)[Email COLO.Science](#)

Binding specification notice: This document supports product selection and does not replace the binding quotation, order confirmation, manufacturer manual or rotor certificate. Rotor performance is configuration dependent. Confirm SKU, included rotor, buckets, adapters, vessel dimensions, maximum permitted speed/RCF, safety documentation and final images before ordering or operation. Specifications may change without notice.