

# MEDICAL CENTRIFUGE



# MEDICAL CENTRIFUGE

These laboratory multi purpose Medical Centrifuges are ideal solution for high-end research experiment such as PRP/PPP, cell washing, HCT, blood type test etc. in the biology, radio-immunity, medical and other research fields. These versatile centrifuges have precise temperature control with highly efficient double loop control design which allows fast heating and cooling.

Used in Cell Washing, HCT, Blood type test, Biology, Radio-Immunity, Medical, Research.  
Also known as Laboratory Medical Centrifuge.

## CEN37-0700R BLOOD BANK REFRIGERATED CENTRIFUGE

Brushless DC motor

Servomotor was adopt for lid open & lid lock, emergency lid release.

LED display

Microprocessor controller

Inner chamber material: Stainless Steel

Electronic door interlock

Imbalance detection system

Memory of 10 programs

10 levels of acceleration and 10 levels of deceleration

Faults are diagnosed automatically

CFC-free refrigerants system (TECUMSEH EUROPE COMPRESSOR)

Precise temperature control with double loop control design is highly efficient, allows fast heating and cooling



## SPECIFICATIONS

Model	CEN37-0700R
Maximum Capacity (No of tubes x Vol.)	6x2400 ml bottles or 18 blood bags
Temperature Range	-20°C to 40°C
Temperature Accuracy	± 1°C
Maximum Speed RPM	7000
Speed Accuracy	± 20 rpm
Maximum RCF	11900xg
Timer Range	1~99 h 59 min, pulse
Temperature Increment	1°C
Acceleration Rate	10
Deceleration Rate	10
Drive System	Direct, flex-spin drive system
Motor	High-performance induction motor
Overall Dimension	900x850x1000 ml
Program	10 user-defined
Noise Level	≤ 60 dB(A)
Weight (Net/Gross)	560 kg
Power	7500 W
Power Supply	AC 380V, 50/60HZ, 35A

## OPTIONAL ACCESSORIES

Accessory Code	Name	Description	Capacity	RPM	RCF <sub>xg</sub>
LS52725	Swing-out Bucket Rotor	4x500 ml			
LS52738	Swing-out Bucket Rotor	Can spin 12 x 450-550 ml single, double, triple, quad, quint blood bags with or without additive, or spin 18 x 400 ml triple blood bags	6x2400 ml	4000	5600 <sub>xg</sub>
LS52751	Swing-out Rotor – Adapter	4x250 ml			

## CEN34-1200HE HEMATOCRIT CENTRIFUGE

LED display

Microprocessor controller

Brushless DC motor

Electronic door interlock



## SPECIFICATIONS

Model	CEN34-1200HE
Maximum Capacity (No of tubes x Vol.)	24 Capillary Tubes
Maximum Speed RPM	12000
Speed Accuracy	± 10 rpm
Maximum RCF	15730 <sub>xg</sub>
Timer Range	1~99 min 59 s, pulse
Acceleration Rate	9
Deceleration Rate	9
Drive System	Direct, induction motor drive
Overall Dimension	340x430x330 mm
Program	9 user-defined
Noise Level	≤ 60 dB(A)
Weight (Net/Gross)	25 kg
Power	400 W
Power Supply	AC 200-240V, 50/60Hz or AC 100-130V, 50/60Hz

## OPTIONAL ACCESSORIES

Accessory Code	Name	Description	Capacity	RPM	RCF <sub>xg</sub>
LS52632	Swing-out Rotor – Adapter	Blood collection tube	112x2-7 ml	4000	3400 <sub>xg</sub>
LS52814	Rotor	24 Capillary tubes		12000	15730 <sub>xg</sub>

# CEN33-0500PRP PRP CENTRIFUGE

- LED display
- Microprocessor controller
- Brushless DC motor
- Electronic door interlock
- The inner chamber is made up of stainless steel
- Operating parameters can be modified during the operation
- Memory of 12 programs
- 10 levels of acceleration and 10 levels of deceleration
- Stable operation



## SPECIFICATIONS

Model	CEN33-0500PRP
Maximum Capacity (No of tubes x Vol.)	6x50 ml
Maximum Speed RPM	5000
Speed Accuracy	± 30 rpm
Maximum RCF	4620xg
Timer Range	1~99 min 59 s, pulse
Acceleration Rate	10
Deceleration Rate	10
Drive System	Direct, brushless motor drive
Overall Dimension	390x480x320 mm
Program	12 user-defined
Noise Level	≤ 60 dB(A)
Weight (Net/Gross)	28 kg
Power	400 W
Power Supply	AC 200-240V, 50/60Hz or AC 100-130V, 50/60Hz

## OPTIONAL ACCESSORIES

Accessory Code	Name	Description	Capacity	RPM	RCF <sub>xg</sub>
LS52619	Fixed-Angle Rotor	can spin 2-10 ml blood collection tube by using adapters	12x15 ml	5000	3550xg
LS53123	Fixed-Angle Rotor	6x50 ml		5000	3550xg
LS53231	Swing-out Rotor – Adapter	Blood collection tube	56x8/10 ml	4000	3400xg
LS53243	Swing-out Rotor – Adapter	Blood collection tube	72x2-7 ml	4000	3400xg
LS53255	Swing-out Rotor – Adapter	Falcon conical bottle	4x175/225 ml	4000	3400xg
LS53267	Swing-out Rotor – Adapter	4x250 ml Corning conical bottle or 4x200 ml Nunc™ bottle or 4x175 ml Nalgene™ conical bottle		4000	3400xg
LS53279	Swing-out Rotor – Adapter	16x50 ml		4000	3400xg
LS53291	Swing-out Rotor – Adapter	40x15 ml		4000	3400xg
LS53303	Swing-out Rotor – Adapter	100x1.5/2.0 ml		4000	3400xg
LS53315	Swing-out Rotor – Adapter	Blood collection tube	80x8/10 ml	4000	3400xg

# CEN34-0450PRP PRP CENTRIFUGE

- Autoclavable rotors
- Capacities of 10ml, 20ml, 50 ml syringe, 10ml PRP tube
- Optional other PRP exclusive use kits
- Brushless DC motor
- LED display
- The inner chamber is made up of stainless steel
- Electronic door interlock
- Faults are diagnosed automatically
- Memory of 12 programs
- 10 levels of acceleration and 10 levels of deceleration
- Operating parameters can be modified during the operation
- Stable operation



## SPECIFICATIONS

Model	CEN34-0450PRP
Maximum Capacity (No of tubes x Vol.)	6x50 ml
Maximum Speed RPM	4500
Speed Accuracy	± 10 rpm
Maximum RCF	3380xg
Timer Range	1~99 min 59 s, pulse
Acceleration Rate	10
Deceleration Rate	10
Drive System	Direct, induction motor drive
Overall Dimension	450x550x365 mm
Program	12 user-defined
Noise Level	≤ 60 dB(A)
Weight (Net/Gross)	40 kg
Power	500 W
Power Supply	AC 200-240V, 50/60Hz or AC 100-130V, 50/60Hz

## OPTIONAL ACCESSORIES

Accessory Code	Name	Description	Capacity	RPM	RCF <sub>xg</sub>
LS53327	Swing-out Rotor – Adapter	Radioimmunity tube	148x5 ml	4000	3400xg
LS53339	Swing-out Rotor	16x10 ml syringe		4000	3000xg
LS53351	Swing-out Rotor	8x20 ml syringe		4000	3100xg
LS53363	Swing-out Rotor	4x20 ml syringe		4000	3100xg
LS53375	Swing-out Rotor	for flat bottom tube	4x50 ml PRP kits/syringe	4000	3380xg
LS53387	Fixed-Angle Rotor	6x50 ml syringe		4500	3020xg
LS53399	Swing-out Rotor	can spin 2-10 ml blood collection tube by use adapters	24x15 ml	4000	2890xg

# CEN35-0384BT BLOOD TYPING CENTRIFUGE

- Brushless DC motor
- LED display
- Microprocessor controller
- The inner chamber is made up of stainless steel
- Electronic door interlock
- Faults are diagnosed automatically
- Operating parameters can be modified during the operation
- Stable operation



## SPECIFICATIONS

Model	CEN35-0384BT
Maximum Capacity (No of tubes x Vol.)	24 gel card
Maximum Speed RPM	3840
Speed Accuracy	± 30 rpm
Maximum RCF	1790xg
Drive System	Direct, induction motor drive
Overall Dimension	375x360x300 mm
Noise Level	≤ 60 dB(A)
Weight (Net/Gross)	21 kg
Power	100 W
Power Supply	AC 200-240V, 50/60Hz or AC 100-130V, 50/60Hz

## OPTIONAL ACCESSORIES

Accessory Code	Name	Description	RPM	RCF <sub>xg</sub>
LS52645	HLA Rotor / WBC Rotor	12 gel cards	3840	1790xg
LS53411	SERO Rotor / RBC Rotor	24 gel cards	3840	1790xg

# CEN35-0470CW CELL-WASHING CENTRIFUGE

- LED display
- Microprocessor controller
- Brushless DC motor
- Electronic door interlock



## SPECIFICATIONS

Model	CEN35-0470CW
Maximum Capacity (No of tubes x Vol.)	12x7 ml (SERO Rotor)
Maximum Speed RPM	4700
Speed Accuracy	± 20 rpm
Maximum RCF	2000xg
Drive System	Direct, induction motor drive
Overall Dimension	375x360x300 mm
Noise Level	≤ 55 dB(A)
Weight (Net/Gross)	16 kg
Power	200 W
Power Supply	AC 200-240V, 50/60Hz or AC 100-130V, 50/60Hz

## OPTIONAL ACCESSORIES

Accessory Code	Name	Description	RPM	RCF <sub>xg</sub>
LS52827	SERO Rotor	12x1.5 ml	4000	1800xg
LS52840	Lymphocyte Rotor	12x7 ml	4700	2000xg

## CEN36-0600R MULTIPURPOSE REFRIGERATED CENTRIFUGE

Brushless DC motor

Microprocessor controller

LCD display

The inner chamber is made up of stainless steel

Electronic door interlock

Memory of 12 programs

19 levels of acceleration and 19 levels of deceleration

CFC-free refrigerants system (TECUMSEH EUROPE COMPRESSOR)

Precise temperature control with double loop control design is highly efficient, allows fast heating and cooling

Operating parameters can be modified during the operation

Stable operation



## SPECIFICATIONS

Model	CEN36-0600R
Maximum Capacity (No of tubes x Vol.)	4x750 ml
Temperature Range	-20°C to 40°C
Temperature Accuracy	± 1°C
Maximum Speed RPM	6000
Speed Accuracy	± 10 rpm
Maximum RCF	5200xg
Timer Range	1~99 h 59 min, pulse
Temperature Increment	1°C
Acceleration Rate	40

Deceleration Rate	40
Drive System	Direct, induction motor drive
Overall Dimension	750x600x420 mm
Program	12 user-defined (more up to 40 available if needed)
Noise Level	≤ 60 dB(A)
Weight (Net/Gross)	90 kg
Power	1500 W
Power Supply	AC 200-240V, 50/60Hz or AC 100-130V, 50/60Hz

## OPTIONAL ACCESSORIES

Accessory Code	Name	Description	RPM	RCF <sub>xg</sub>	Capacity
LS52009	Swing-out Rotor – Adapter	8x50 ml	5000	5200xg	
LS52022	Swing-out Rotor – Adapter	4x100 ml	5000	5200xg	
LS52035	Swing-out Rotor – Adapter	36x10 ml	5000	5200xg	
LS52048	Swing-out Rotor – Adapter	Blood collection tube	4000	3400xg	96x2-7ml
LS52061	Swing-out Rotor – Adapter	4x3 96 well microplates or 4x2 cell culture plates or 4x1 deep well plates	4000	3400xg	
LS52074	Swing-out Rotor – Adapter	Can spin 4x450 ml single, double, triple blood bag system without filter	4000	3500xg	4x750 ml
LS52139	Swing-out Rotor – Adapter	Radioimmunity tube	4000	3500xg	148x5 ml
LS52231	Swing-out Rotor	6x50 ml	10000	15680xg	
LS52270	Swing-out Rotor – Adapter	4xCorning T-75 cm <sup>2</sup> Canted-Neck Cell Culture Flasks	5000	5600xg	
LS52283	Swing-out Rotor – Adapter	8xCorning T-25 cm <sup>2</sup> Canted-Neck Cell Culture Flasks	5000	5600xg	
LS52412	Swing-out Rotor – Adapter	Blood collection tube	4000	3500xg	96x2-7ml
LS52944	Swing-out Bucket Rotor	4x250 ml	5000	5200xg	
LS52956	Swing-out Rotor – Adapter	108x1.5/2.0 ml	4000	3500xg	
LS53423	Swing-out Rotor	4x100 ml	5000	4650xg	
LS53435	Swing-out Rotor	4x50 ml	5000	4650xg	
LS53447	Swing-out Rotor – Adapter	8x50 ml	4000	2980xg	
LS53459	Swing-out Rotor – Adapter	8x100 ml	4000	2980xg	
LS53460	Swing-out Rotor – Adapter	Falcon conical bottle	4000	3500xg	4x175/225 ml
LS53471	Swing-out Rotor – Adapter	24x10 ml	4000	2980xg	
LS53483	Swing-out Rotor – Adapter	can spin 2-10 ml blood collection tube by using adapters	4000	2980xg	24x15 ml
LS53495	Swing-out Rotor – Adapter	32x10 ml	4000	2980xg	
LS53507	Swing-out Rotor – Adapter	can spin 2-10 ml blood collection tube by using adapters	4000	2980xg	32x15 ml
LS53904	Swing-out Rotor	2x3 96 well microplates or 2x2 cell culture plates or 2x1 deep well plates	4000	1970xg	
LS53988	Swing-out Rotor – Adapter	4x250 ml Corning conical bottle or 4x200 ml Nunc™ bottle or 4x175 ml Nalgene™ conical bottle	4000	3500xg	
LS54000	Swing-out Rotor – Adapter	4xCorning T-75 cm <sup>2</sup> Canted-Neck Cell Culture Flasks	4000	3500xg	
LS54012	Swing-out Rotor – Adapter	8xCorning T-25 cm <sup>2</sup> Canted-Neck Cell Culture Flasks	4000	3500xg	
LS54024	Swing-out Bucket Rotor	Corning conical bottle	4000	3500xg	4x500ml



LS54036	Swing-out Rotor – Adapter	12x100 ml	5000	5600xg	
LS54048	Swing-out Rotor – Adapter	20x50 ml	5000	5600xg	
LS54060	Swing-out Rotor – Adapter	48x15 ml	5000	5600xg	
LS54372	Swing-out Rotor – Adapter	108x1.5/2.0 ml	5000	5600xg	
LS54395	Swing-out Rotor – Adapter	12x100 ml	4000	3500xg	
LS54623	Swing-out Rotor – Adapter	20x50 ml	4000	3500xg	
LS54635	Swing-out Rotor – Adapter	48x15 ml	4000	3500xg	
LS54672	Swing-out Rotor	Blood collection tube	5000	4000xg	24x2-7 ml
LS54936	Swing-out Rotor – Adapter	Blood collection tube	5000	5600xg	96x2-7 ml
LS54948	Swing-out Rotor – Adapter	Radioimmunity tube	5000	5600xg	148x5 ml
LS54960	Swing-out Rotor – Adapter	Falcon conical bottle	5000	5600xg	4x175/225 ml
LS54972	Swing-out Rotor – Adapter		5000	5600xg	4x250 ml Corning conical bottle or 4x200 ml Nunc™ bottle or 4x175 ml Nalgene™ conical bottle
LS55139	Swing-out Rotor – Adapter		5000	5200xg	4x50 ml
LS52646	Swing-out Rotor – Adapter	Blood collection tube	5000	5200xg	28x8/10 ml
LS52658	Swing-out Bucket Rotor	2x3 96 well microplates or 2x2 cell culture plates or 2x1 deep well plates	4000	1970xg	
LS53772	Swing-out Rotor – Adapter	Blood collection tube	5000	5200xg	40x2-7 ml
LS53784	Swing-out Rotor – Adapter	can spin 2-10 ml blood collection tube by use adapters	5000	5200xg	32x15 ml
LS53796	Swing-out Bucket Rotor	Blood collection tube	4000	3100xg	28x2-7 ml
LS53808	Swing-out Bucket Rotor	Blood collection tube	4000	3100xg	36x8/10 ml
LS53820	Swing-out Bucket Rotor	Blood collection tube	4000	3100xg	48x2-7 ml
LS53832	Swing-out Bucket Rotor	Blood collection tube	4000	3100xg	64x2-7 ml
LS53916	Swing-out Rotor – Adapter	20x15 ml	5000	5200xg	
LS54684	Swing-out Rotor	Blood collection tube (can spin 2-7 ml blood collection tube by using adapters)	5000	4620xg	16x10 ml
LS54696	Swing-out Rotor		5000	4620xg	16x10 ml
LS54708	Swing-out Rotor		5000	4620xg	16x15 ml
LS54720	Swing-out Rotor	Blood collection tube (can spin 2-7 ml blood collection tube by using adapters)	5000	4620xg	8x10 ml
LS54732	Swing-out Rotor		5000	4620xg	8x10 ml
LS54744	Swing-out Rotor		5000	4620xg	8x15 ml
LS54756	Swing-out Rotor		4000	2690xg	4x50 ml
LS54768	Rotor		12000	15730xg	12 Capillary tubes
LS54780	Swing-out Rotor	for round bottom tube	4000	3000xg	4x50 ml

# CEN31-0250MP MICROPLATE CENTRIFUGE

Applicable to all capacity PCR plates including 96-hole/384-hole microplate



## SPECIFICATIONS

Model	CEN31-0250MP
Maximum Capacity (No of tubes x Vol.)	384-well PCR microliter plate
Maximum Speed RPM	2500
Maximum RCF	500xg
Ambient Temperature	5°C~40°C
Relative Humidity	≤85%
Atmospheric Pressure	860hPa-1060hPa
Overall Dimension	222x220x190 mm
Noise Level	≤ 60 dB
Weight (Net/Gross)	2.3 kg
Power Supply	110V 50/60Hz

## OPTIONAL ACCESSORIES

Accessory Code	Name	Description	Capacity
LS55168	Microplate Rotor	384-well / 96-well / Small capacity microliter plates / PCR microliter plates with or without skirt	384-well Microplate Rotor

# CEN32-0080PCR PCR CENTRIFUGE

Compact design with small footprint

Acceleration / Deceleration: <18 seconds

Low noise

Metal rotor

Short Spin key for quick centrifugation

Temperature sensitive samples are protected by excellent air-flow

Lid is opened automatically after the operation is finished, which avoids overheating of the sample and save processing time

Maintenance free, Brushless DC motor

Autoclavable rotor



## SPECIFICATIONS

Model	CEN32-0080PCR
Maximum Speed RPM	800-13, 400
Maximum RCF	12100xg
Timer Range	15 S~99 min
Acceleration/ Deceleration	13s / 12 s
Overall Dimension	260x260x150 mm
Weight (Net/Gross)	4.3 kg
Power	100 W
Power Supply	110V 60Hz, 230V 50 / 60 Hz

## ACCESSORIES

Accessory Code	Name	Description	Max. Speed
LS55200	Rotor	8x1.5/2.0ml, 8x0.2ml, 2 strips	4000 rpm

## OPTIONAL ACCESSORIES

Accessory Code	Name	Description	Capacity
LS55156	Adapter		0.2 ml PCR tube
LS55157	Adapter		0.5 ml PCR tube



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