

**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, Medical Centrifuge.

## CM11 SERIES MICROPLATE CENTRIFUGE

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



### SPECIFICATIONS

Model	CM111
Maximum Speed RPM	2500
Maximum RCF	500xg
Maximum Capacity	384-well PCR microliter plate
Ambient Temperature	5°C~40°C
Relative Humidity	≤85%
Atmospheric Pressure	860hPa-1060hPa
Noise	≤ 60 dB
Dimension (LxWxH)	222x220x190 mm
Net Weight	2.3 kg
Power	110V 50/60Hz

### OPTIONAL ACCESSORIES

Accessory Code	Name	Description	Capacity
CX1282	Microplate Rotor	384-well / 96-well / Small capacity microliter plates / PCR microliter plates with or without skirt	384-well Microplate Rotor

# CM12 SERIES 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	CM121
Maximum Speed RPM	800-13, 400
Maximum RCF	12100xg
Timer Range	15 S~99 min
Acceleration / Braking Time [Sea]	13s / 12 s
Max Power	100 W
Dimension (LxWxH)	260x260x150 mm
Net Weight	4.3 kg
Power	110V 60Hz, 230V 50 / 60 Hz

## ACCESSORIES

Accessory Code	Name	Capacity
CX1262	Rotor	12x1.5/2.0 ml

## OPTIONAL ACCESSORIES

Accessory Code	Name	Capacity
CX1263	Adapter	0.2 ml PCR tube
CX1264	Adapter	0.5 ml PCR tube

# CM21 SERIES MEDICAL CENTRIFUGE



CM211



CM212, CM213



CM214, CM215



CM216

## FEATURES

	CM211	CM212	CM213	CM214	CM215	CM216
Brushless DC motor	•	•	•	•	•	•
Electronic door interlock	•	•	•	•	•	•
LED display	•	•	•	•	•	
Microprocessor controller	•	•		•	•	•
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	•		•	•		•
Autoclavable rotors			•			
Capacities of 10ml, 20ml, 50 ml syringe, 10ml PRP tube			•			
Optional other PRP exclusive use kits			•			
Faults are diagnosed automatically			•	•		
LCD display						•
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						•

## SPECIFICATIONS

Model	CM211	CM212	CM213
Name	PRP Centrifuge	Hematocrit Centrifuge	PRP Centrifuge
Maximum Speed RPM	5000	12000	4500
Maximum RCF	4620xg	15730xg	3380xg
Maximum Capacity	6x50 ml	24 Capillary Tubes	6x50 ml
Speed Accuracy	± 20 rpm	± 10 rpm	± 20 rpm
Timer Range	0~99 min		
Motor	Brushless DC motor	Variable Frequency Motor	
Noise	≤ 60 dB(A)	≤ 58 dB(A)	≤ 60 dB(A)
Dimension (LxWxH)	480x390x320 mm	430x340x330 mm	550x450x365 mm
Net Weight	28 kg		45 kg
Power	AC 200-240V, 50/60Hz or AC 100-130V, 50/60Hz		
Temperature Range	-	-	-
Temperature Accuracy	-	-	-

Model	CM214	CM215	CM216
Name	Blood Typing Centrifuge	Cell-washing Centrifuge	Multipurpose Refrigerated Centrifuge
Maximum Speed RPM	3840	4700	6000
Maximum RCF	1790xg	2000xg	5200xg
Maximum Capacity	12 cards or 24 cards of microcolumn gel rotor optional	12x7 ml (SERO Rotor)	4x750 ml
Speed Accuracy	± 30 rpm	± 20 rpm	± 10 rpm
Timer Range	-	0~99 min	0~99 h 59 min
Motor	Brushless DC motor	Variable Frequency Motor	
Noise	≤ 60 dB(A)	≤ 55 dB(A)	≤ 60 dB(A)
Dimension (LxWxH)	430x340x330 mm		600x750x420 mm
Net Weight	20 kg	15 kg	90 kg
Power	AC 200-240V, 50/60Hz or AC 100-130V, 50/60Hz		
Temperature Range	-	-	-20°C to 40°C
Temperature Accuracy	-	-	± 1°C

## ACCESSORIES

Accessory Code	Name	Capacity	Max. Speed	Max. RCF	For Models
CX1100	Rotor	24 Capillary tubes	12000 rpm	15730xg	CM212

## OPTIONAL ACCESSORIES

Accessory Code	Name	Capacity	Max. Speed	Max. RCF	For Models
CX1098	Swing-out Rotor	24x2-7ml blood collection tube	5000 rpm	4000xg	CM211
CX1099	Swing-out Rotor	8x15ml (can spin 8ml, 10ml, 15ml PRP kits)	5000 rpm	4620xg	CM211
CX1101	Swing-out Rotor	16x10 ml syringe	4000 rpm	3000xg	CM213
CX1102	Swing-out Rotor	8x20 ml syringe	4000 rpm	3100xg	CM213
CX1103	Swing-out Rotor	4x20 ml syringe	4000 rpm	3100xg	CM213
CX1104	Swing-out Rotor	4x50 ml PRP kits/syringe	4000 rpm	3380xg	CM213
CX1105	Fixed-Angle Rotor	6x50 ml syringe	4500 rpm	3020xg	CM213
CX1106	Swing-out Rotor	4x60 ml PRP kits (for 38mm diameter PRP tube)	4000 rpm	3130xg	CM213
CX1107	Swing-out Rotor	24x15 ml kits	4000 rpm	2980xg	CM213
CX1108	Swing-out Rotor	24x10 ml blood collection tube	4000 rpm	2890xg	CM213
CX1109	Rotor	12 cards	3840 rpm	1790xg	CM214
CX1110	Rotor	24 cards	3840 rpm	1790xg	CM214
CX1111	SERO Rotor	12x7 ml	4000 rpm	1800xg	CM215
CX1112	Lymphocyte Rotor	12x0.5ml/1.5ml/2ml	4700 rpm	2000xg	CM215
CX1113	Swing-out Rotor	4x250 ml (with a wind shield)	5000 rpm	5200xg	CM216
CX1114	Swing-out Rotor – Adapter	36x10 ml	5000 rpm	5200xg	CM216
CX1115	Swing-out Rotor – Adapter	40x2-7 ml blood collection tube	5000 rpm	5200xg	CM216

CX1116	Swing-out Bucket Rotor	48x2-7 ml blood collection tube	4000 rpm	3100xg	CM216
CX1117	Swing-out Bucket Rotor	64x2-7 ml blood collection tube	4000 rpm	3100xg	CM216
CX1118	Swing-out Rotor	4x500 ml	4000 rpm	3400xg	CM216
CX1119	Swing-out Rotor – Adapter	76x2-7 ml blood collection tube	4000 rpm	3400xg	CM216
CX1120	Swing-out Bucket Rotor	80x2-10 ml blood collection tube	4000 rpm	3400xg	CM216
CX1121	Swing-out Bucket Rotor	96x2-7ml blood collection tube	4000 rpm	3400xg	CM216
CX1122	Swing-out Bucket Rotor	112x2-7 ml blood collection tube	4000 rpm	3400xg	CM216
CX1123	Swing-out Bucket Rotor	148x5 ml Radio-immunity tube	4000 rpm	3400xg	CM216
CX1124	Swing-out Rotor	4x750 ml (can spin 200 ml blood bag)	4000 rpm	3500xg	CM216
CX1125	Swing-out Rotor	12x15 ml	6000rpm	5120xg	CM216

## CM31 SERIES 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	CM311
Maximum Speed RPM	7000
Maximum RCF	11900xg
Maximum Capacity	6x2400 ml
Speed Accuracy	± 20 rpm
Temperature Range	-20°C to 40°C
Temperature Accuracy	± 1°C
Timer Range	0~99 h 59 min
Motor	Variable Frequency Motor
Noise	≤ 65 dB(A)
Dimension (LxWxH)	900x850x1000 ml
Net Weight	560 kg
Power	AC 380V, 50/60HZ, 35A

## OPTIONAL ACCESSORIES

Accessory Code	Name	Description	Capacity	Max. Speed	Max. RCF
CX1126	Swing-out Bucket Rotor	Can spin various blood bag systems, such as 12x 550mL quin / quad / triple blood bags with filter, or can spin 12x750ml blood bag, etc, or spin 6x2000 ml bottle	6x2400 ml	4000 rpm	5600xg

## ACCESSORIES

				
CX1262	CX1098	CX1099	CX1101	CX1103
				
CX1107	CX1108	CX1109	CX1111	CX1113
				
CX1118	CX1122	CX1125	CX1126	



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