

TABLETOP CENTRIFUGE



TABLETOP CENTRIFUGE

These centrifuges are widely used in the fields of biochemistry, pharmacy, clinical medicine and other research fields for variety of separation needs. The programmable microprocessor centrifuge allows modification of the parameter during operation. In addition, accommodates various type of tubes or plates and size of the sample.

Used in Biochemistry, Pharmacy, Clinical, Research.

Also known as Benchtop Centrifuge, Non Refrigerated High Speed Centrifuge, Laboratory Tabletop Centrifuge.

CEN12-16 TABLETOP CENTRIFUGE

Brushless DC motor

LCD display

Microprocessor controller

Inner chamber material: Stainless Steel

Operating parameters can be modified during the operation



SPECIFICATIONS

Model	CEN12-16
Maximum Capacity (No of tubes x Vol.)	10x5 ml
Maximum Speed RPM	16000
Speed Accuracy	± 20 rpm
Maximum RCF	17800xg
Timer Range	1~99 min
Drive System	Direct, brushless motor drive
Overall Dimension	250x305x200 mm
Noise Level	≤ 60 dB(A)
Weight (Net/Gross)	12.5 kg
Power	200 W
Power Supply	AC 200-240V, 50/60Hz or AC 100-130V, 50/60Hz

OPTIONAL ACCESSORIES

Accessory Code	Name	Description	Capacity	RPM	RCF _{xg}
LS52528	Fixed-Angle Rotor	with adapters for 0.2ml and 0.5ml	12x1.5/2.0 ml	16000	17800xg
LS52671	Fixed-Angle Rotor	12x5 ml		15000	16380xg

CEN14-19 TABLETOP CENTRIFUGE

- Brushless DC motor
- LCD display
- Electronic door interlock
- Automatic rotor identification
- Memory of 12 programs
- 19 levels of acceleration and 19 levels of deceleration
- Faults are diagnosed automatically



SPECIFICATIONS

Model	CEN14-19
Maximum Capacity (No of tubes x Vol.)	6x100 ml
Maximum Speed RPM	19000
Speed Accuracy	± 10 rpm
Maximum RCF	25050xg
Timer Range	1~9999 min 59 s, Pulse, Continuous
Acceleration Rate	19
Deceleration Rate	19
Drive System	Direct, induction motor drive
Rotor Identification	Auto-ID Instant, Automatic
Overall Dimension	340x450x330 mm
Program	12 user-defined
Noise Level	≤ 60 dB(A)
Weight (Net/Gross)	25 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 _{xg}
LS52165	Swing-out Rotor – Adapter	Blood collection tube	56x8/10 ml		
LS52503	Fixed-Angle Rotor	8x15 ml		12000	13200xg
LS52516	Swing-out Rotor – Adapter	40x15 ml			
LS52541	Fixed-Angle Rotor	with adapters for 0.2/0.5ml tube	12x1.5/2.0 ml	19000	25050xg
LS52659	Fixed-Angle Rotor	Conical	6x50 ml	12000	15970xg
LS52672	Swing-out Rotor – Adapter	Blood collection tube	72x2-7 ml		
LS52828	Swing-out Rotor – Adapter	Falcon conical bottle	4x175/225 ml		
LS52841	Fixed-Angle Rotor	4x100 ml		10000	10640xg
LS52853	Fixed-Angle Rotor	12x5 ml		15000	18270xg
LS53136	Fixed-Angle Rotor	Conical	8x50 ml	10000	10640xg
LS53148	Swing-out Rotor – Adapter	4x250 ml Corning conical bottle or 4x200 ml Nunc™ bottle or 4x175 ml Nalgene™ conical bottle			

LS53160	Swing-out Rotor – Adapter	16x50 ml			
LS53928	Fixed-Angle Rotor	6x100 ml		8000	7600xg
LS53940	Swing-out Rotor – Adapter	100x1.5/2.0 ml			
LS54047	Swing-out Rotor – Adapter	Blood collection tube	80x8/10 ml		
LS54119	Fixed-Angle Rotor	4xPCR strip		13000	17000xg
LS54311	Fixed-Angle Rotor	with adapters for 0.2/0.5ml tube	24x1.5/2.0 ml	13500	18170xg
LS54323	Fixed-Angle Rotor	6x10 ml		16000	19070xg
LS54815	Fixed-Angle Rotor		12x10 ml	12500	14000xg

CEN16-15 TABLETOP CENTRIFUGE

Microprocessor controller

Frequency conversion, Maintenance free brushless motor

Flash key for quick centrifugation

Autoclavable high strength rotor material

Inner chamber material: Stainless Steel

Electronic door interlock

Imbalance detection system

Automatic lid locking for safety

LED display

Door cover, over speed protection

Faults code are displayed

Sound alert

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

Rotors are with sealed cover to avoid contamination.



SPECIFICATIONS

Model	CEN16-15
Maximum Capacity (No of tubes x Vol.)	10x5 ml
Maximum Speed RPM	15000
Maximum RCF	20375xg
Acceleration/ Deceleration	16s↑18s↓
Overall Dimension	280x360x250 mm
Noise Level	≤ 60 dB(A)
Weight (Net/Gross)	17 kg
Power Supply	AC 230V, 50/60Hz

OPTIONAL ACCESSORIES

Accessory Code	Name	Description	Capacity	RPM	Max. RCF	Max. Speed
LS55161	Fixed-Angle Rotor	PP cone base with cover	24x1.5/2.2 ml	15000	20375xg	
LS55162	Capillary Hematocrit Rotor	1.5 diameter	24 Capillary tubes		15300xg	12000 rpm
LS55163	Fixed-Angle Rotor	PP round bottom with cover	10x5 ml	13500	12920xg	
LS55164	Fixed-Angle Rotor	PP cone base with cover	4x8x0.2 ml PCR tube	13000	16200xg	

LS55165	Fixed-Angle Rotor	PP cone base with cover	36x0.5 ml	13500	13250xg	
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CEN17-16R TABLETOP REFRIGERATED CENTRIFUGE

Inner chamber material: Stainless Steel

Microprocessor controller

LCD display

Electronic door interlock

Automatic rotor identification

Imbalance protection

Brushless DC motor

Memory of 12 programs

19 levels of acceleration and 19 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

Operating parameters can be modified during the operation

RCF can be set up directly, without RPM to RCF translation



SPECIFICATIONS

Model	CEN17-16R
Maximum Capacity (No of tubes x Vol.)	12x5 ml
Temperature Range	-20°C to 40°C
Temperature Accuracy	± 1°C
Maximum Speed RPM	16000
Speed Accuracy	± 10 rpm
Maximum RCF	18270xg
Timer Range	1~99 h 59 min, pulse
Temperature Increment	1°C
Acceleration Rate	40
Deceleration Rate	40
Drive System	Direct, induction motor drive
Rotor Identification	Auto-ID Instant, Automatic
Overall Dimension	625x420x360 mm
Program	12 user-defined
Noise Level	≤ 60 dB(A)
Weight (Net/Gross)	50 kg
Power	1000 W
Power Supply	AC 200-240V, 50/60Hz or AC 100-130V, 50/60Hz

OPTIONAL ACCESSORIES

Accessory Code	Name	Description	Capacity	RPM	RCF _{xg}
LS52554	Fixed-Angle Rotor	With adapters for 0.2/0.5 ml tube	12x1.5/2.0 ml	16000	17800xg
LS52866	Fixed-Angle Rotor	12x5 ml		15000	18270xg

LS54347	Fixed-Angle Rotor	With adapters for 0.2/0.5 ml tube	24x1.5/2.0 ml	13000	16850xg
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CEN18-06R TABLETOP REFRIGERATED CENTRIFUGE

Inner chamber material: Stainless Steel

Microprocessor controller

LCD display

Electronic door interlock

Brushless DC motor

Stable performance

Memory of 12 programs

19 levels of acceleration and 19 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

Operating parameters can be modified during the operation

RCF can be set up directly, without RPM to RCF translation



SPECIFICATIONS

Model	CEN18-06R
Maximum Capacity (No of tubes x Vol.)	4x250 ml
Temperature Range	-20°C to 40°C
Temperature Accuracy	± 1°C
Maximum Speed RPM	5120
Speed Accuracy	± 10 rpm
Maximum RCF	6000xg
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	640x560x390 mm
Program	12 user-defined (more up to 40 available if needed)
Noise Level	≤ 60 dB(A)
Weight (Net/Gross)	80 kg
Power	1200 W
Power Supply	AC 200-240V, 50/60Hz or AC 100-130V, 50/60Hz

OPTIONAL ACCESSORIES

Accessory Code	Name	Description	RPM	RCF _{xg}	Capacity
LS52191	Swing-out Rotor	2x96 well microplates or 2x2 cell culture plates or 2x1 deep well plates	4000	1970xg	
LS52256	Swing-out Rotor – Adapter	12x50 ml			
LS52438	Swing-out Rotor	Blood collection tube	4000	3100xg	64x2-7 ml

LS52684	Fixed-Angle Rotor	can spin 2-10 ml blood collection tube by using adapters	6000	5120xg	12x15 ml
LS52697	Fixed-Angle Rotor	6x1000 ml	7000	11900xg	
LS53711	Swing-out Rotor	4x100 ml	5000	4650xg	
LS53723	Swing-out Rotor	4x50 ml	5000	4650xg	
LS53735	Swing-out Rotor	8x50 ml	4000	2980xg	
LS53747	Swing-out Rotor	8x100 ml	4000	2980xg	
LS53759	Swing-out Rotor – Adapter	Radioimmunity tube			148x5 ml
LS53771	Swing-out Rotor	can spin 2-10 ml blood collection tube by use adapters	4000	2980xg	24x15 ml
LS53783	Swing-out Rotor – Adapter	Falcon conical bottle			4x175/225 ml
LS53795	Swing-out Rotor	can spin 2-10 ml blood collection tube by using adapters	4000	2980xg	32x15 ml
LS53807	Swing-out Bucket Rotor	6x2x1000 ml	4000	5600xg	
LS53819	Swing-out Rotor – Adapter	24x10 ml	4000	2980xg	
LS53831	Swing-out Rotor – Adapter	32x10 ml	4000	2980xg	
LS53843	Fixed-Angle Rotor	with adapters for 0.2/0.5ml tube	12500	14000xg	36x1.5/2.0 ml
LS53855	Fixed-Angle Rotor	Round Bottom	12000	15970xg	6x50 ml
LS53867	Fixed-Angle Rotor	with adapters for 0.2/0.5ml tube	12000	15970xg	48x1.5/2.0 ml
LS53879	Fixed-Angle Rotor	Round Bottom	10000	10640xg	8x50 ml
LS53891	Fixed-Angle Rotor	12x15 ml	10000	10640xg	
LS53903	Fixed-Angle Rotor	6x30 ml	12000	13200xg	
LS53915	Fixed-Angle Rotor	24x10 ml	8000	7600xg	
LS53927	Swing-out Bucket Rotor	2x2 microplates (48 wells)	4000	1500xg	
LS54419	Swing-out Rotor – Adapter	6x100 ml			
LS54479	Swing-out Rotor – Adapter	4x250 ml Corning conical bottle or 4x200 ml Nunc™ bottle or 4x175 ml Nalgene™ conical bottle			
LS54671	Fixed-Angle Rotor	can spin 2-10 ml blood collection tube by use adapters	6000	5120xg	12x15 ml
LS54683	Swing-out Rotor	Blood collection tube	4000	3100xg	48x2-7 ml
LS54851	Swing-out Rotor – Adapter				4xCorning T-75 cm ² Canted-Neck Cell Culture Flasks
LS54863	Swing-out Rotor – Adapter				8xCorning T-25 cm ² Canted-Neck Cell Culture Flasks
LS54875	Swing-out Bucket Rotor	Corning conical bottle			4x500 ml
LS54887	Swing-out Rotor – Adapter				6x250 ml
LS54899	Swing-out Rotor – Adapter	Blood collection tube			60x2-7ml
LS54911	Swing-out Rotor – Adapter				42x10 ml
LS54923	Swing-out Rotor – Adapter				24x15 ml
LS55031	Swing-out Rotor – Adapter				6x50 ml

CEN11-05 TABLETOP CENTRIFUGE

Gentle braking at low speeds

LCD display

Short Spin key for quick centrifugation

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

Safety lid-lock



SPECIFICATIONS

Model	CEN11-05
Maximum Capacity (No of tubes x Vol.)	6x15ml
Maximum Speed RPM	100-5000
Maximum RCF	3074xg
Timer Range	15 S~99 min
Acceleration/ Deceleration	20-80s↑ 20-80s↓
Power	40 W
Power Supply	110V 50/60Hz, 230V-50/60Hz

OPTIONAL ACCESSORIES

Accessory Code	Name	Description	Capacity
LS55158	Rotor	D12x75 glass tube	6x15ml
LS55159	Rotor	Conical tube with screw cap	8x15 ml
LS55160	Rotor	Conical tube with screw cap	12x5 ml

CEN13-05 TABLETOP CENTRIFUGE

Brushless DC motor

LCD display

Microprocessor controller

Electronic door interlock

Inner chamber material: Stainless Steel

Memory of 12 programs

19 levels of acceleration and 19 levels of deceleration

Faults are diagnosed automatically

Operating parameters can be modified during the operation

Stable operation



SPECIFICATIONS

Model	CEN13-05
Maximum Capacity (No of tubes x Vol.)	8x100 ml
Maximum Speed RPM	5000
Speed Accuracy	± 10 rpm
Maximum RCF	4650xg
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	RPM	RCF _{xg}	Capacity
LS52152	Swing-out Bucket Rotor	2x3 96 well microplates or 2x2 cell culture plates or 2x1 deep well plates	4000	1970xg	
LS53519	Swing-out Rotor – Adapter	4x100 ml	5000	4650xg	
LS53531	Swing-out Rotor – Adapter	4x50 ml	5000	4650xg	
LS53543	Swing-out Rotor – Adapter	8x50 ml	4000	2980xg	
LS53555	Swing-out Rotor – Adapter	8x100 ml	4000	2980xg	
LS53567	Swing-out Rotor – Adapter	12x50 ml			
LS53579	Swing-out Rotor – Adapter	can spin 2-10 ml blood collection tube by using adapters	4000	2980xg	24x15 ml
LS53591	Swing-out Rotor – Adapter	36x15 ml			
LS53603	Swing-out Rotor – Adapter	can spin 2-10 ml blood collection tube by using adapters	4000	2980xg	32x15 ml
LS54743	Swing-out Rotor – Adapter	Blood collection tube	4000	2980xg	48x2-7 ml

CEN15-05 TABLETOP CENTRIFUGE

Brushless DC motor

LCD display

Inner chamber material: 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	CEN15-05
Maximum Capacity (No of tubes x Vol.)	4x500 ml
Maximum Speed RPM	5000
Speed Accuracy	± 10 rpm
Maximum RCF	5200xg
Timer Range	1~9999 min 59 s, Pulse, Continuous
Acceleration Rate	19
Deceleration Rate	19
Drive System	Direct, induction motor drive
Overall Dimension	450x560x415 mm
Program	12 user-defined
Noise Level	≤ 60 dB(A)
Weight (Net/Gross)	50 kg
Power	600 W
Power Supply	AC 200-240V, 50/60Hz or AC 100-130V, 50/60Hz

OPTIONAL ACCESSORIES

Accessory Code	Name	Description	RPM	RCF _{xg}	Capacity
LS52178	Swing-out Bucket Rotor	2x3 96 well microplates or 2x2 cell culture plates or 2x1 deep well plates	4000	1970xg	
LS52244	Swing-out Rotor	4x3 96 well microplates or 4x2 cell culture plates or 4x1 deep well plates	4000	3400xg	
LS52296	Swing-out Bucket Rotor	Blood collection tube	4000	3400xg	96x2-7ml
LS52309	Swing-out Bucket Rotor	Radio-immunity tube	4000	3400xg	148x5 ml
LS52425	Swing-out Bucket Rotor	Blood collection tube	4000	3100xg	64x2-7 ml
LS52968	Swing-out Rotor	With windshield	5000	5200xg	4x250 ml
LS53472	Swing-out Rotor – Adapter	4x50 ml	5000	5200xg	
LS53484	Swing-out Rotor – Adapter	8x50 ml	5000	5200xg	
LS53496	Swing-out Rotor – Adapter	4x100ml	5000	5200xg	
LS53508	Swing-out Rotor – Adapter	36x10 ml	5000	5200xg	
LS53520	Swing-out Rotor – Adapter	Blood collection tube			96x2-7ml
LS53532	Swing-out Rotor – Adapter	4x3 96 well microplates or 4x2 cell culture plates or 4x1 deep well plates			
LS53544	Swing-out Rotor – Adapter	Blood collection tube	5000	5200xg	40x2-7 ml
LS53556	Swing-out Rotor	4x500 ml	4000	3400xg	
LS53627	Swing-out Rotor	4x50 ml	5000	4650xg	
LS53639	Swing-out Rotor – Adapter	8x50 ml	4000	2980xg	
LS53651	Swing-out Rotor – Adapter	8x100 ml	4000	2980xg	
LS53663	Swing-out Rotor – Adapter	Blood collection tube			112x2-7 ml
LS53675	Swing-out Rotor – Adapter	can spin 2-10 ml blood collection tube by using adapters	4000	2980xg	24x15 ml
LS53687	Swing-out Rotor – Adapter	Radio-immunity tube			148x5 ml
LS53699	Swing-out Rotor – Adapter	can spin 2-10 ml blood collection tube by using adapters	4000	2980xg	32x15 ml
LS54072	Swing-out Rotor – Adapter	4x250 ml	4000	3400xg	
LS54084	Swing-out Rotor – Adapter	12x50 ml	4000	3400xg	
LS54096	Swing-out Rotor – Adapter	36x15 ml	4000	3400xg	

LS54108	Swing-out Rotor – Adapter	20x50 ml			
LS54120	Swing-out Rotor – Adapter	Blood collection tube	4000	3400xg	72x2-7 ml
LS54132	Swing-out Rotor – Adapter	48x15 ml			
LS54144	Swing-out Rotor – Adapter	Blood collection tube			96x2-7ml
LS54384	Swing-out Bucket Rotor	Can spin 4x450 ml single, double, triple blood bag system without filter			4x750 ml
LS54407	Swing-out Rotor – Adapter	4x500 ml			
LS54647	Swing-out Rotor – Adapter	12x100 ml			
LS54659	Swing-out Bucket Rotor	Blood collection tube	4000	3100xg	48x2-7 ml
LS54984	Swing-out Bucket Rotor		4000	3400xg	16x50 ml
LS54996	Swing-out Bucket Rotor		4000	3400xg	40x15 ml
LS55008	Swing-out Bucket Rotor		4000	3400xg	100x1.5 ml
LS55020	Swing-out Bucket Rotor	Blood collection tube	4000	3400xg	80x10 ml
LS55032	Swing-out Bucket Rotor	Blood collection tube	4000	3400xg	112x2-7 ml

CEN15-05C TABLETOP CENTRIFUGE

LCD display

Automatic Blood Collection Tube Decapping at the end of the process, prevent user from being infected by pathogenic bacteria.

Brushless DC motor

Inner chamber material: Stainless Steel

Electronic door interlock

Memory of 12 programs

19 levels of acceleration and 19 levels of deceleration



SPECIFICATIONS

Model	CEN15-05C
Maximum Capacity (No of tubes x Vol.)	4X250 ml
Maximum Speed RPM	5000
Speed Accuracy	± 10 rpm
Maximum RCF	5200xg
Timer Range	1~9999 min 59 s, Pulse, Continuous
Acceleration Rate	19
Deceleration Rate	19
Drive System	Direct, induction motor drive
Overall Dimension	450x550x365 mm
Program	12 user-defined
Noise Level	≤ 60 dB(A)
Weight (Net/Gross)	45 kg
Power	600 W
Power Supply	AC 200-240V, 50/60Hz or AC 100-130V, 50/60Hz

OPTIONAL ACCESSORIES

Accessory Code	Name	Description	Capacity	RPM	RCF _{xg}
LS52218	Swing-out Rotor	Blood collection tube	56x2-7ml	4000	3400 _{xg}
LS52569	Swing-out Rotor	Blood collection tube	80x2-7ml	4000	3400 _{xg}
LS52854	Swing-out Rotor	4x250 ml		5000	5200 X _g
LS54335	Swing-out Rotor	Blood collection tube	32x2-7ml	4000	3100 _{xg}

CEN19-05R TABLETOP REFRIGERATED CENTRIFUGE

Inner chamber material: Stainless Steel

Microprocessor controller

LCD display

Electronic door interlock

Brushless DC motor

Stable performance

Memory of 12 programs

19 levels of acceleration and 19 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

Operating parameters can be modified during the operation

RCF can be set up directly, without RPM to RCF translation



SPECIFICATIONS

Model	CEN19-05R
Maximum Capacity (No of tubes x Vol.)	4x250 ml
Temperature Range	-20°C to 40°C
Temperature Accuracy	± 1°C
Maximum Speed RPM	5000
Speed Accuracy	± 10 rpm
Maximum RCF	5200 _{xg}
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	700x550x420 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 _{xg}	Capacity
LS52204	Swing-out Bucket Rotor	2x3 96 well microplates or 2x2 cell culture plates or 2x1 deep well plates	4000	1970xg	
LS52451	Swing-out Bucket Rotor	Blood collection tube	4000	3100xg	64x2-7 ml
LS52980	Swing-out Rotor	4x250 ml	5000	5200xg	
LS53568	Swing-out Rotor – Adapter	4x50 ml	5000	5200xg	
LS53580	Swing-out Rotor – Adapter	Round Bottom	5000	5200xg	8x50 ml
LS53592	Swing-out Rotor – Adapter	4x100ml	5000	5200xg	
LS53604	Swing-out Rotor – Adapter	36x10 ml	5000	5200xg	
LS53616	Swing-out Rotor – Adapter	20x15 ml	5000	5200xg	
LS53628	Swing-out Rotor – Adapter	Blood collection tube	5000	5200xg	28x8/10 ml
LS53640	Swing-out Rotor – Adapter	Blood collection tube	5000	5200xg	40x2-7 ml
LS53939	Swing-out Rotor	4x100 ml	5000	4650xg	
LS53951	Swing-out Rotor	4x50 ml	5000	4650xg	
LS53963	Swing-out Rotor	8x50 ml	4000	2980xg	
LS53975	Swing-out Rotor	8x100 ml	4000	2980xg	
LS53987	Swing-out Rotor – Adapter	24x10 ml	4000	2980xg	
LS53999	Swing-out Rotor	can spin 2-10 ml blood collection tube by use adapters	4000	2980xg	24x15 ml
LS54011	Swing-out Rotor – Adapter	32x10 ml	4000	2980xg	
LS54023	Swing-out Rotor	can spin 2-10 ml blood collection tube by use adapters	4000	2980xg	32x15 ml
LS54396	Swing-out Rotor – Adapter	can spin 2-10 ml blood collection tube by using adapters	5000	5200xg	32x15 ml
LS54431	Swing-out Bucket Rotor	Blood collection tube	4000	3100xg	28x2-7 ml
LS54695	Swing-out Bucket Rotor	Blood collection tube	4000	3100xg	36x8/10 ml
LS54707	Swing-out Bucket Rotor	Blood collection tube	4000	3100xg	48x2-7 ml

CEN19-19R TABLETOP REFRIGERATED CENTRIFUGE

LCD display

Microprocessor controller

Inner chamber material: Stainless Steel

Electronic door interlock

Automatic rotor identification

Brushless DC motor

Memory of 12 programs

19 levels of acceleration and 19 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

Operating parameters can be modified during the operation



SPECIFICATIONS

Model	CEN19-19R
Maximum Capacity (No of tubes x Vol.)	4x500 ml
Temperature Range	-20°C to 40°C

Temperature Accuracy	± 1°C
Maximum Speed RPM	19000
Speed Accuracy	± 10 rpm
Maximum RCF	25070xg
Timer Range	1~99 h 59 min, pulse
Temperature Increment	1°C
Acceleration Rate	40
Deceleration Rate	40
Drive System	Direct, induction motor drive
Rotor Identification	Auto-ID Instant, Automatic
Overall Dimension	750x600x420 mm
Program	12 user-defined
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	Capacity	RPM	RCF _{xg}
LS52217	Swing-out Rotor – Adapter	Blood collection tube	56x8/10 ml	4000	3400xg
LS52230	Swing-out Rotor	2x3 96 well microplates or 2x2 cell culture plates or 2x1 deep well plates		4000	1970xg
LS52555	Swing-out Rotor – Adapter	4x100 ml		4000	3100xg
LS52567	Fixed-Angle Rotor	With adapters for 0.2/0.5 ml tube	12x1.5/2.0 ml	19000	25070xg
LS52685	Swing-out Rotor – Adapter	Falcon conical bottle	4x175/225 ml	4000	3400xg
LS52698	Swing-out Rotor – Adapter	4x250 ml Corning conical bottle or 4x200 ml Nunc™ bottle or 4x175 ml Nalgene™ conical bottle		4000	3400xg
LS52867	Fixed-Angle Rotor	Round Bottom	6x50 ml	12000	15970xg
LS52879	Fixed-Angle Rotor	12x5 ml		16000	20790xg
LS52880	Fixed-Angle Rotor	4x100 ml		10000	10640xg
LS52992	Swing-out Rotor	8x15 ml		5000	4620xg
LS53004	Swing-out Rotor – Adapter	36x10 ml		4000	3100xg
LS53016	Swing-out Rotor – Adapter	20x15 ml		4000	3100xg
LS53052	Swing-out Rotor – Adapter	4x50 ml		4000	3100xg
LS53172	Fixed-Angle Rotor	Conical	8x50 ml	10000	10640xg
LS53184	Swing-out Rotor	24x10 ml		4000	2980xg
LS53196	Swing-out Rotor	32x10 ml		4000	2980xg
LS53652	Swing-out Rotor	4x500 ml		4000	3400xg
LS53664	Swing-out Rotor	blood collection tube (can spin 2-7 ml blood collection tube by using adapters)	8x10 ml	5000	4620xg
LS53676	Swing-out Rotor	8x10 ml		5000	4620xg
LS53844	Swing-out Rotor – Adapter	8x50 ml		4000	3100xg
LS53976	Swing-out Rotor – Adapter	Blood collection tube	28x8/10 ml	4000	3100xg
LS54156	Swing-out Rotor – Adapter	60x1.5/2.0 ml		4000	3400xg
LS54168	Swing-out Rotor – Adapter	4x250 ml		4000	3400xg
LS54180	Swing-out Rotor – Adapter	Blood collection tube	40x2-7 ml	4000	3100xg
LS54192	Swing-out Rotor – Adapter	12x50 ml		4000	3400xg

LS54204	Swing-out Rotor – Adapter	36x15 ml		4000	3400xg
LS54216	Swing-out Rotor	Falcon conical bottle	4x175/225 ml	4000	3100xg
LS54228	Swing-out Rotor – Adapter	Blood collection tube	72x2-7 ml	4000	3400xg
LS54240	Swing-out Rotor	4x250 ml Corning conical bottle or 4x200 ml Nunc™ bottle or 4x175 ml Nalgene™ conical bottle		4000	3100xg
LS54252	Swing-out Rotor	Blood collection tube	28x2-7 ml	4000	3100xg
LS54359	Fixed-Angle Rotor	With adapters for 0.2/0.5 ml tube	24x1.5/2.0 ml	16000	24660xg
LS54371	Fixed-Angle Rotor	6x10 ml		16000	19070xg
LS54491	Swing-out Rotor	4x250 ml		4500	3720xg
LS54503	Swing-out Rotor – Adapter	32x1.5/2.0 ml		4500	3720xg
LS54515	Swing-out Rotor – Adapter	4x50 ml		4500	3720xg
LS54527	Swing-out Rotor – Adapter	8x50 ml		4500	3720xg
LS54539	Swing-out Rotor – Adapter	4x100ml		4500	3720xg
LS54551	Swing-out Rotor – Adapter	20x15 ml		4500	3720xg
LS54563	Swing-out Rotor – Adapter	36x10 ml		4500	3720xg
LS54575	Swing-out Rotor	4x250 ml		4000	3100xg
LS54587	Swing-out Rotor – Adapter	Blood collection tube	40x2-7 ml blood collection tube	4500	3720xg
LS54827	Fixed-Angle Rotor		12x10 ml	14000	18110xg
LS55044	Swing-out Rotor	Blood collection tube	36x8/10 ml	4000	3100xg
LS55056	Fixed-Angle Rotor		6x50 ml	6000	5120xg
LS55068	Swing-out Rotor	blood collection tube (can spin 2-7 ml blood collection tube by using adapters)	16x10 ml	5000	4620xg
LS55080	Swing-out Rotor		16x10 ml	5000	4620xg
LS55092	Swing-out Rotor		16x15 ml	5000	4620xg

CEN19-23R TABLETOP REFRIGERATED CENTRIFUGE

Brushless DC motor

Microprocessor controller

LCD display

Inner chamber material: Stainless Steel

Electronic door interlock

Automatic rotor identification

Memory of 12 programs

19 levels of acceleration and 19 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

Operating parameters can be modified during the operation



SPECIFICATIONS

Model	CEN19-23R
Maximum Capacity (No of tubes x Vol.)	4x750 ml
Temperature Range	-20°C to 40°C
Temperature Accuracy	± 1°C

Maximum Speed RPM	23000
Speed Accuracy	± 10 rpm
Maximum RCF	36400xg
Timer Range	1~99 h 59 min, pulse
Temperature Increment	1°C
Acceleration Rate	40
Deceleration Rate	40
Drive System	Direct, induction motor drive
Rotor Identification	Auto-ID Instant, Automatic
Overall Dimension	750x600x420 mm
Program	12 user-defined
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 _{xg}	Capacity
LS52243	Swing-out Rotor	16x10 ml syringe	4000	3000xg	
LS52269	Fixed-Angle Rotor	With adapters for 0.2/0.5 ml tube	12000	15970xg	48x1.5/2.0 ml
LS52464	Swing-out Bucket Rotor	Falcon conical bottle	4500	3720xg	4x175/225 ml Falcon conical bottle
LS52542	Swing-out Bucket Rotor	4x3 96 well microplates or 4x2 cell culture plates or 4x1 deep well plates	4000	3400xg	
LS52580	Fixed-Angle Rotor	With adapters for 0.2/0.5 ml tube	23000	36400xg	12x1.5/2.0 ml
LS52711	Fixed-Angle Rotor	Conical	13000	18740xg	6x50 ml
LS52724	Swing-out Rotor	4x20 ml syringe	4000	3100xg	
LS52892	Fixed-Angle Rotor	12x5 ml	17000	22330xg	
LS52893	Swing-out Rotor	8x20 ml syringe	4000	3100xg	
LS52906	Fixed-Angle Rotor	4x100 ml	11000	12870xg	
LS53028	Swing-out Bucket Rotor	Radio-immunity tube	4000	3400xg	148x5 ml
LS53040	Swing-out Bucket Rotor	Blood collection tube	4000	3400xg	96x2-7ml
LS53208	Fixed-Angle Rotor	Conical	11000	12870xg	8x50 ml
LS53220	Swing-out Rotor	4x50 ml PRP kits/syringe	4000	3380xg	
LS53232	Fixed-Angle Rotor	6x50 ml syringe	4500	3020xg	
LS53364	Swing-out Rotor – Adapter	16x50 ml	4000	3400xg	
LS53376	Swing-out Rotor – Adapter	40x15 ml	4000	3400xg	
LS53388	Swing-out Rotor – Adapter	100x1.5/2.0 ml	4000	3400xg	
LS53400	Swing-out Rotor – Adapter	Blood collection tube	4000	3400xg	80x8/10 ml
LS53412	Swing-out Rotor – Adapter	Blood collection tube	4000	3400xg	112x2-7 ml
LS53688	Swing-out Rotor	4x500 ml	4000	3400xg	
LS53952	Fixed-Angle Rotor	With adapters for 0.2/0.5 ml tube	15000	20160xg	36x1.5/2.0 ml
LS53964	Swing-out Bucket Rotor	Corning conical bottle			4x500 ml
LS54059	Swing-out Rotor	2x3 96 microplates or 2x2 cell culture plates or 2x1 deep well plates	4000	1970xg	
LS54264	Swing-out Bucket Rotor	4x250 ml Corning conical bottle or 4x200 ml Nunc™ bottle or 4x175 ml Nalgene™ conical bottle	4500	3720xg	

LS54276	Swing-out Bucket Rotor	Blood collection tube	4500	3720xg	28x2-7 ml
LS54288	Swing-out Bucket Rotor	Blood collection tube	4500	3720xg	36x8/10 ml
LS54300	Swing-out Bucket Rotor	Blood collection tube	4500	3720xg	48x2-7 ml
LS54312	Swing-out Bucket Rotor	Blood collection tube	4500	3720xg	64x2-7 ml
LS54324	Swing-out Rotor – Adapter	4x100 ml	4000	3400xg	
LS54336	Swing-out Rotor – Adapter	Blood collection tube	4000	3400xg	56x8/10 ml
LS54348	Swing-out Rotor – Adapter	Falcon conical bottle	4000	3400xg	4x175/225 ml
LS54360	Swing-out Rotor – Adapter	4x250 ml Corning conical bottle or 4x200 ml Nunc™ bottle or 4x175 ml Nalgene™ conical bottle	4000	3400xg	
LS54443	Fixed-Angle Rotor	Round Bottom	10000	10640xg	8x50 ml
LS54455	Fixed-Angle Rotor	with adapters for 0.2/0.5ml tube	16500	27140xg	24x1.5/2.0 ml
LS54467	Swing-out Rotor	4x250 ml	4500	3720xg	
LS54719	Fixed-Angle Rotor		10000	10640xg	12x15 ml
LS54731	Swing-out Rotor – Adapter	Blood collection tube	4500	3720xg	28x8/10 ml blood collection tube
LS54792	Fixed-Angle Rotor	Round Bottom	13000	18740xg	6x50 ml
LS54804	Fixed-Angle Rotor	With adapters for 0.2/0.5 ml tube	13000	18740xg	48x1.5/2.0 ml
LS54816	Fixed-Angle Rotor	Round Bottom	11000	12870xg	8x50 ml
LS54828	Fixed-Angle Rotor		11000	12870xg	12x15 ml
LS54839	Fixed-Angle Rotor		15000	20160xg	12x10 ml
LS54840	Swing-out Rotor – Adapter				32x1.5/2.0 ml
LS54852	Swing-out Rotor – Adapter				4x50 ml
LS54864	Swing-out Rotor – Adapter				8x50 ml
LS54876	Swing-out Rotor – Adapter				4x100 ml
LS54888	Swing-out Rotor – Adapter				36x10 ml
LS54900	Swing-out Rotor – Adapter				20x15 ml
LS54935	Swing-out Rotor		4000	2980xg	24x10 ml
LS54947	Swing-out Rotor		4000	2980xg	32x10 ml
LS54959	Swing-out Rotor – Adapter		5000	5200xg	20x15 ml
LS54971	Swing-out Rotor – Adapter	Blood collection tube	5000	5200xg	28x8/10 ml
LS54983	Swing-out Rotor	can spin 2-10 ml blood collection tube by use adapters	5000	5200xg	32x15 ml
LS54995	Swing-out Bucket Rotor	Blood collection tube	4000	3100xg	28x2-7 ml
LS55007	Swing-out Bucket Rotor	Blood collection tube	4000	3100xg	36x8/10 ml
LS55019	Fixed-Angle Rotor	With adapters for 0.2/0.5 ml tube	14000	18110xg	36x1.5/2.0 ml
LS55043	Fixed-Angle Rotor	Conical	12000	15970xg	6x50 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	15730xg
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 _{xg}
LS52632	Swing-out Rotor – Adapter	Blood collection tube	112x2-7 ml	4000	3400xg
LS52814	Rotor	24 Capillary tubes		12000	15730xg

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 _{xg}
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 _{xg}
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 _{xg}
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 _{xg}
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 _{xg}	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 ² Canted-Neck Cell Culture Flasks	5000	5600xg	
LS52283	Swing-out Rotor – Adapter	8xCorning T-25 cm ² 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 ² Canted-Neck Cell Culture Flasks	4000	3500xg	
LS54012	Swing-out Rotor – Adapter	8xCorning T-25 cm ² 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



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