

BENCHTOP CENTRIFUGES



BENCHTOP CENTRIFUGES

These are also called benchtop centrifuges, they conduct harvesting and separating precipitates in the solution. They are used to separate components present in a mixture with the help of higher accelerations to cause sedimentation of significant components. The facility of adjustable speed causes stratification of samples by using the centrifugal force. It is majorly used in molecular biology, nanotechnology and in clinical laboratories.

Used in Biochemistry, Pharmacy, Clinical, Research.

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

LTCEN12-11 BENCHTOP 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	LTCEN12-11
Maximum Capacity (No of tubes x Vol.)	10x5 ml
Maximum Speed	15000
Maximum RCF	20375xg
Acceleration/ Deceleration	16s118s↓
Overall Dimension	280x360x250 mm
Noise Level	≤ 60 dB(A)
Net. Weight	17 kg
Power Supply	AC 230V, 50/60Hz

OPTIONAL ACCESSORIES

Accessory Code	Name	Description	Capacity	RPM	Max. RCF	Max. Speed
2501218008	Fixed-Angle Rotor	PP cone base with cover	24x1.5/2.2 ml	15000	20375xg	
2501218009	Capillary Hematocrit Rotor	1.5 diameter	24 Capillary tubes		15300xg	12000 rpm
2501218010	Fixed-Angle Rotor	PP round bottom with cover	10x5 ml	13500	12920xg	

2501218011	Fixed-Angle Rotor	PP cone base with cover	4x8x0.2 ml PCR tube	13000	16200xg	
2501218012	Fixed-Angle Rotor	PP cone base with cover	36x0.5 ml	13500	13250xg	

LTCEN15-17 BENCHTOP 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	LTCEN15-17
Maximum Capacity (No of tubes x Vol.)	12x10 ml
Temp. Control Range	-20°C to 40°C increments
Temperature Accuracy	± 1°C
Maximum Speed	16500 rpm
Speed Accuracy	± 10 rpm
Maximum RCF	21630xg
Time Range	1~99 h 59 min, pulse
Temp. Accuracy	±1 °C
Acceleration Rate	40
Deceleration Rate	40
Drive System	Direct, Induction motor drive (Inverter Control)
Rotor Identification	Auto-ID Instant, Automatic
Refrigeration System	CFC-Free
Overall Dimension	24.6 x 16.5 x 14.1 in / 62.5 x 42 x 36 mm
Program	12 user-defined
Noise Level	≤ 60 dB(A)
Weight (Net/Gross)	50 kg
Max. Power Consumption	1000 W
Power Supply	AC 200-240V, 50/60Hz or AC 100-127V, 50/60Hz

OPTIONAL ACCESSORIES

Accessory Code	Name	Rotor Capacity	Max Speed (rpm)	Max RCF(g)
2501524008	No. 1 Fixed-Angle Rotor	12x1.5/2.0 ml(with adapters for 0.2/0.5ml tube)	16500 rpm	19000Xg
2501524009	No. 2 Fixed-Angle Rotor	12x5 ml	15000 rpm	18270Xg
2501524010	No. 3 Fixed-Angle Rotor	24x1.5/2.0 ml(with adapters for 0.2/0.5ml tube)	15000 rpm	21630Xg
2501524011	No. 4 Fixed-Angle Rotor	12x10 ml	12000 rpm	13310Xg
2501524012	No. 5 Fixed-Angle Rotor	48x1.5/2.0 ml(with adapters for 0.2/0.5ml tube)	12000 rpm	15970Xg

LTCEN15-18 BENCHTOP 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	LTCEN15-18
Maximum Capacity (No of tubes x Vol.)	4x250 ml , 6 x 50 ml
Temp. Control Range	-20°C to 40°C
Temperature Accuracy	± 1°C
Maximum Speed	6000 rpm with 6x50 ml / 12x15 ml , 5000 rpm with 4x50 ml rotor /4x100 ml rotor
Speed Accuracy	± 10 rpm
Maximum RCF	5120 rpm with 6x50 ml / 12x15 ml , 5000 rpm with 4x50 ml rotor / 4x100 ml rotor
Time Range	Count up or down
Acceleration Rate	40
Deceleration Rate	40
Control System	Microprocessor
Refrigeration System	CFC-Free
Drive System	Direct, induction motor drive (Inverter Control)
Display	Full color touchscreen interface
Programmability	via easy access touchscreen menu
Overall Dimension	25.2 x 22 x 15.4 in / 64 x 56 x 39 mm
Program	1000 user-defined (more up to 40 available if needed)
Noise Level	≤ 56 dB(A)
Weight (Net/Gross)	80 kg

Max. Power Consumption	1200 W
Power Supply	AC 200-240V, 50/60Hz or AC 100-127V, 50/60Hz

OPTIONAL ACCESSORIES

Accessory Code	Name	Rotor Capacity	Max Speed (rpm)	Max RCF(g)
2501525008	No. 1 Swing-out Rotor Rotor Cross	12x15 ml	5000 rpm	4650g
2501525009	Tube Racks	8x50 ml	4000 rpm	2980g
2501525010	Tube Racks	8x100 ml	4000 rpm	2980g
2501525011	adapters		4000 rpm	2980g
2501525012	adapters		4000 rpm	2980g
2501525013	adapters		4000 rpm	2980g
2501525014	adapters		4000 rpm	2980g
2501525015	adapters		4000 rpm	2980g
2501525016	adapters		4000 rpm	2980g
2501525017	adapters		4000 rpm	2980g
2501525018	adapters		4000 rpm	2980g
2501525019	adapters		4000 rpm	2980g
2501525020	adapters		4000 rpm	2980g
2501525021	adapters		4000 rpm	2980g
2501525022	adapters		4000 rpm	2980g
2501525023	Tube Racks	24x10 ml	4000 rpm	2980g
2501525024	Tube Racks	24x15 ml	4000 rpm	2980g
2501525025	adapters		4000 rpm	2980g
2501525026	adapters		4000 rpm	2980g
2501525027	adapters		4000 rpm	2980g
2501525028	adapters		4000 rpm	2980g
2501525029	adapters		4000 rpm	2980g
2501525030	adapters		4000 rpm	2980g
2501525031	Tube Racks	32x10 ml	4000 rpm	2980g
2501525032	Tube Racks	32x15 ml	4000 rpm	2980g
2501525033	adapters		4000 rpm	2980g
2501525034	adapters		4000 rpm	2980g
2501525035	adapters		4000 rpm	2980g
2501525036	adapters		4000 rpm	2980g
2501525037	adapters		4000 rpm	2980g
2501525038	adapters		4000 rpm	2980g
2501525039	No. 3-1 Swing-Bucket Rotor Rotor Cross		4000 rpm	2980g
2501525040	No. 3-1 Swing-Bucket Rotor Rotor Cross	4x250 ml	4000 rpm	2980g
2501525041	adapters	4x100 ml	4000 rpm	2980g
2501525042	adapters	4x50 ml	4000 rpm	2980g
2501525043	adapters	8x50 ml (conical)	4000 rpm	2980g
2501525044	adapters	8x50 ml (round bottom)	4000 rpm	2980g
2501525045	adapters	8x30 ml	4000 rpm	2980g
2501525046	adapters	20x15 ml	4000 rpm	2980g
2501525047	adapters	36x10 ml	4000 rpm	2980g
2501525048	adapters	20x5 ml (conical)	4000 rpm	2980g

2501525049	adapters	32x1.5/2.0 ml	4000 rpm	2980g
2501525050	adapters	32x2.0 ml	4000 rpm	2980g
2501525051	adapters	40x0.5 ml	4000 rpm	2980g
2501525052	adapters	20x10 ml virus sampling tube	4000 rpm	2980g
2501525053	adapters	28x4 -10 ml blood collection / urine tube	4000 rpm	2980g
2501525054	adapters	40x1.6-7 ml blood collection / urine tube	4000 rpm	2980g
2501525055	Conical Buckets	4x175/225 ml Falcon conical bottle	4000 rpm	2980g
2501525056	No. 3-2 Swing-Bucket Rotor	36x4-10 ml blood collection / urine tube	4000 rpm	3100g
2501525057	No. 3-3 Swing-Bucket Rotor	48x1.6-7 ml blood collection / urine tube	4000 rpm	3100g
2501525058	No. 3-4 Swing-Bucket Rotor	64x1.6 -7 ml blood collection / urine tube	4000 rpm	3100g
2501525059	No. 4 Swing-Bucket Rotor	2x3 pcs microplates (96 wells)or 2x3 pcs microtiter plates or 2x2 pcs cell culture plates or 2x1 pc deep well plates	4000 rpm	1970g
2501525060	No. 5-1 Fixed-Angle Rotor	12x15 ml	6000 rpm	5120g
2501525061	adapters		6000 rpm	5120g
2501525062	adapters		6000 rpm	5120g
2501525063	adapters		6000 rpm	5120g
2501525064	adapters		6000 rpm	5120g
2501525065	adapters		6000 rpm	5120g
2501525066	adapters		6000 rpm	5120g
2501525067	No. 5-2 Fixed-Angle Rotor	6x50 ml	6000 rpm	5120g
2501525068	adapters		6000 rpm	5120g
2501525069	adapters		6000 rpm	5120g
2501525070	adapters		6000 rpm	5120g
2501525071	adapters		6000 rpm	5120g
2501525072	adapters		6000 rpm	5120g
2501525073	adapters		6000 rpm	5120g
2501525074	adapters		6000 rpm	5120g
2501525075	adapters		6000 rpm	5120g
2501525076	adapters		6000 rpm	5120g

LTCEN16-8 BENCHTOP 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	LTCEN16-8
Maximum Capacity (No of tubes x Vol.)	6x15ml
Maximum Speed	100-5000
Maximum RCF	3074xg
Time 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
2501615008	Rotor	D12x75 glass tube	6x15ml
2501615009	Rotor	Conical tube with screw cap	8x15 ml
2501615010	Rotor	Conical tube with screw cap	12x5 ml

LTCEN22-9 BENCHTOP 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	LTCEN22-9
Maximum Capacity (No of tubes x Vol.)	12x15 ml , 4 x 50 ml conical
Temperature Range	-20°C to 40°C
Temperature Accuracy	± 1°C
Maximum Speed	5500 rpm with 4x50 ml swing-out rotor ,5500 rpm with 12x15 ml
Speed Accuracy	± 10 rpm
Maximum RCF	4300xg rpm with 12x15 ml , 3910Xg with 4x50 ml swing-out rotor
Time Range	Count up or down
Acceleration Rate	40
Deceleration Rate	40

Refrigeration System	CFC-Free
Control System	Microprocessor
Display	Touchscreen interface
Programmability	via easy access touchscreen menu
Drive System	Direct, induction motor drive
Overall Dimension	16.9x19.7x12.4 in / 43x50x31.5 mm
Program Storage	1000 user-defined
Noise Level	≤ 56 dB(A)
Weight (Net/Gross)	42 kg
Max. Power Consumption	450 W
Power Supply	AC 200-240V, 50/60Hz or AC 100-127V, 50/60Hz

OPTIONAL ACCESSORIES

Accessory Code	Name	Rotor Capacity	Max Speed (rpm)	Max RCF(g)
2502216008	No. 1 Swing-out Rotor	4x50 ml conical	5000 rpm	3910g
2502216009	adapters		5000 rpm	3910g
2502216010	adapters		5000 rpm	3910g
2502216011	adapters		5000 rpm	3910g
2502216012	adapters		5000 rpm	3910g
2502216013	adapters		5000 rpm	3910g
2502216014	adapters		5000 rpm	3910g
2502216015	adapters		5000 rpm	3910g
2502216016	adapters		5000 rpm	3910g
2502216017	No. 2 Swing-out Rotor Rotor Cross		4500 rpm	3050g
2502216018	Tube Racks	16x10 ml blood collection/urine tube	4500 rpm	3050g
2502216019	Tube Racks	16x1.6-7 ml blood collection/urine tube	4500 rpm	3050g
2502216020	Tube Racks	16x10 ml virus sampling tube	4500 rpm	3050g
2502216021	No. 3 Fixed-Angle Rotor	12x15 ml	5500 rpm	4300g
2502216022	adapters		5500 rpm	4300g
2502216023	adapters		5500 rpm	4300g
2502216024	adapters		5500 rpm	4300g
2502216025	adapters		5500 rpm	4300g
2502216026	adapters		5500 rpm	4300g
2502216027	adapters		5500 rpm	4300g

LTCEN22-10 BENCHTOP 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	LTCEN22-10
Maximum Capacity (No of tubes x Vol.)	6x100 ml , 4x500 ml
Temperature Range	-20°C to 40°C
Temperature Accuracy	± 1°C
Maximum Speed	19000 rpm with 12 x 1.5/2.0 ml , 4500 rpm with 4x250 ml rotor
Speed Accuracy	± 10 rpm
Maximum RCF	29990Xg with 24x1.5/2.0 ml , 3720Xg with 4x250 ml rotor
Time Range	Count up or down
Acceleration Rate	40
Deceleration Rate	40
Refrigeration System	CFC-Free
Control System	Microprocessor
Display	Full color touchscreen interface
Programmability	via easy access touchscreen menu
Drive System	Direct, induction motor drive (Inverter Control)
Rotor Identification	Auto-ID Instant, immediately upon rotor insertion
Program Storage	1000 user-defined
Noise Level	≤ 56 dB(A)
Overall Dimension	26.8x23.6x16.5 in / 68x60x42 mm
Weight (Net/Gross)	106 kg
Max. Power Consumption	1500 W
Power Supply	AC 200-240V, 50/60Hz or AC 100-127V, 50/60Hz

OPTIONAL ACCESSORIES

Accessory Code	Name	Rotor Capacity	Max Speed (rpm)	Max RCF(g)
2502217008	No. 1 Fixed-Angle Rotor	12x1.5/2.0 ml(with adapters for 0.2/0.5ml tube)	19000 rpm	25220g
2502217009	No. 2 Fixed-Angle Rotor	12x5 ml	17000 rpm	23460g

2502217010	No. 3-1 Fixed-Angle Rotor	24x1.5/2.0 ml(with adapters for 0.2/0.5ml tube)	16000 rpm	24790g
2502217011	No. 3-2 Fixed-Angle Rotor	24x1.5/2.0 ml (with adapters for 0.2/0.5ml tube)(rotor with Aerosol-tight lid)	17600 rpm	29990g
2502217012	No. 4-1 Fixed-Angle Rotor	12x10 ml	14000 rpm	18120g
2502217013	No. 4-2 Fixed-Angle Rotor	36x1.5/2.0 ml(with adapters for 0.2/0.5ml tube)	14000 rpm	18960g
2502217014	No. 4-3 Fixed-Angle Rotor	8x15 ml	14000 rpm	17310g
2502217015	adapters		14000 rpm	17310g
2502217016	adapters		14000 rpm	17310g
2502217017	adapters		14000 rpm	17310g
2502217018	adapters		14000 rpm	17310g
2502217019	adapters		14000 rpm	17310g
2502217020	adapters		14000 rpm	17310g
2502217021	No. 5-1 Fixed-Angle Rotor	6x50 ml (conical)	13000 rpm	18420g
2502217022	adapters		13000 rpm	18420g
2502217023	adapters		13000 rpm	18420g
2502217024	adapters		13000 rpm	18420g
2502217025	adapters		13000 rpm	18420g
2502217026	adapters		13000 rpm	18420g
2502217027	adapters		13000 rpm	18420g
2502217028	adapters		13000 rpm	18420g
2502217029	adapters		13000 rpm	18420g
2502217030	adapters		13000 rpm	18420g
2502217031	adapters		13000 rpm	18420g
2502217032	No. 5-2 Fixed-Angle Rotor	48x1.5/2.0 ml(with adapters for 0.2/0.5ml tube)	13000 rpm	18520g
2502217033	No. 5-3 Fixed-Angle Rotor	6x50 ml (round bottom)	13000 rpm	18420g
2502217034	adapters		13000 rpm	18420g
2502217035	adapters		13000 rpm	18420g
2502217036	adapters		13000 rpm	18420g
2502217037	adapters		13000 rpm	18420g
2502217038	adapters		13000 rpm	18420g
2502217039	adapters		13000 rpm	18420g
2502217040	adapters		13000 rpm	18420g
2502217041	adapters		13000 rpm	18420g
2502217042	adapters		13000 rpm	18420g
2502217043	No. 6-1 Fixed-Angle Rotor	6x50 ml (round bottom)	11000 rpm	13350g
2502217044	adapters		11000 rpm	13350g
2502217045	adapters		11000 rpm	13350g
2502217046	adapters		11000 rpm	13350g
2502217047	adapters		11000 rpm	13350g
2502217048	adapters		11000 rpm	13350g
2502217049	adapters		11000 rpm	13350g
2502217050	adapters		11000 rpm	13350g
2502217051	adapters		11000 rpm	13350g
2502217052	adapters		11000 rpm	13350g
2502217053	adapters		11000 rpm	13350g

2502217054	adapters		11000 rpm	13350g
2502217055	adapters		11000 rpm	13350g
2502217056	No. 6-2 Fixed-Angle Rotor	8x50 ml (conical)	11000 rpm	14030g
2502217057	adapters		11000 rpm	14030g
2502217058	adapters		11000 rpm	14030g
2502217059	adapters		11000 rpm	14030g
2502217060	adapters		11000 rpm	14030g
2502217061	adapters		11000 rpm	14030g
2502217062	adapters		11000 rpm	14030g
2502217063	adapters		11000 rpm	14030g
2502217064	adapters		11000 rpm	14030g
2502217065	adapters		11000 rpm	14030g
2502217066	adapters		11000 rpm	14030g
2502217067	No. 6-3 Fixed-Angle Rotor	12x15 ml	12000 rpm	15890g
2502217068	adapters		12000 rpm	15890g
2502217069	adapters		12000 rpm	15890g
2502217070	adapters		12000 rpm	15890g
2502217071	adapters		12000 rpm	15890g
2502217072	adapters		12000 rpm	15890g
2502217073	adapters		12000 rpm	15890g
2502217074	No. 6-4 Fixed-Angle Rotor	8x50 ml (round bottom)	11000 rpm	13350g
2502217075	adapters		11000 rpm	13350g
2502217076	adapters		11000 rpm	13350g
2502217077	adapters		11000 rpm	13350g
2502217078	adapters		11000 rpm	13350g
2502217079	adapters		11000 rpm	13350g
2502217080	adapters		11000 rpm	13350g
2502217081	adapters		11000 rpm	13350g
2502217082	adapters		11000 rpm	13350g
2502217083	adapters		11000 rpm	13350g
2502217084	No. 6-5 Fixed-Angle Rotor	24x10 ml	11000 rpm	13350g
2502217085	No. 7 Fixed-Angle Rotor	6x10 ml	16000 rpm	18980g
2502217086	No. 8 Swing-Bucket Rotor	2x3 pcs microplates (96 wells) or 2x3 pcs microtiter plates or 2x2 pcs cell culture plates or 2x1 pc deep well plates	4000 rpm	1970g
2502217087	No. 9 Swing-Bucket Rotor Rotor Cross		4500 rpm	3720g
2502217088	250ml Round Buckets	4x250 ml	4500 rpm	3720g
2502217089	adapters	4x100 ml	4500 rpm	3720g
2502217090	adapters	4x50 ml	4500 rpm	3720g
2502217091	adapters	8x50 ml (conical)	4500 rpm	3720g
2502217092	adapters	8x50 ml (round bottom)	4500 rpm	3720g
2502217093	adapters	8x30 ml	4500 rpm	3720g
2502217094	adapters	20x15 ml	4500 rpm	3720g
2502217095	adapters	36x10 ml	4500 rpm	3720g
2502217096	adapters	20x5 ml (conical)	4500 rpm	3720g
2502217097	adapters	32x1.5/2.0 ml	4500 rpm	3720g
2502217098	adapters	32x2.0 ml	4500 rpm	3720g
2502217099	adapters	40x0.5 ml	4500 rpm	3720g

2502217100	adapters	20x10 ml virus sampling tube	4500 rpm	3720g
2502217101	adapters	28x4-10 ml blood collection / urine tube	4500 rpm	3720g
2502217102	adapters	40x1.6-7 ml blood collection / urine tube	4500 rpm	3720g
2502217103	Conical Buckets	4x175/225 ml Falcon conical bottle	4500 rpm	3720g
2502217104	Buckets	36x4-10 ml blood collection /urine tube	4500 rpm	3100g
2502217105	Buckets	48x1.6-7 ml blood collection / urine tube	4500 rpm	3100g
2502217106	Buckets	64x1.6-7 ml blood collection / urine tube	4500 rpm	3100g
2502217107	No. 10-1 Swing-Bucket Rotor Rotor Cross		4200 rpm	3550g
2502217108	500ml Round Buckets	4x500 ml	4200 rpm	3550g
2502217109	Aerosol-tight lids for 500ml Round Buckets		4200 rpm	3550g
2502217111	adapters	4x250 ml	4200 rpm	3550g
2502217112	adapters	4x175/225 ml Falcon conical bottle	4200 rpm	3550g
2502217113	adapters	4x100 ml	4200 rpm	3550g
2502217114	adapters	16x50 ml (conical)	4200 rpm	3550g
2502217115	adapters	16x50 ml (round bottom)	4200 rpm	3550g
2502217116	adapters	16x30 ml	4200 rpm	3550g
2502217117	adapters	36x15 ml	4200 rpm	3550g
2502217118	adapters	56x10 ml	4200 rpm	3550g
2502217119	adapters	36x5 ml (conical)	4200 rpm	3550g
2502217120	adapters	80x1.5/2.0 ml	4200 rpm	3550g
2502217121	adapters	60x2.0 ml	4200 rpm	3550g
2502217122	adapters	80x0.5 ml	4200 rpm	3550g
2502217123	adapters	36x10 ml virus sampling tube	4200 rpm	3550g
2502217124	adapters	56x4-10 ml blood collection / urine tube	4200 rpm	3550g
2502217125	adapters	72x1.6-7 ml blood collection / urine tube	4200 rpm	3550g
2502217126	Rectangular Buckets		4200 rpm	3550g
2502217127	adapters	20x50 ml (conical)	4200 rpm	3550g
2502217128	adapters	20x50 ml (round bottom)	4200 rpm	3550g
2502217129	adapters	20x30 ml	4200 rpm	3550g
2502217130	adapters	40x15 ml	4200 rpm	3550g
2502217131	adapters	40x5 ml (conical)	4200 rpm	3550g
2502217132	adapters	100x1.5/2.0 ml	4200 rpm	3550g
2502217133	adapters	100x2.0 ml	4200 rpm	3550g
2502217134	adapters	80x4-10 ml blood collection / urine tube	4200 rpm	3550g
2502217135	adapters	112x1.6-7 ml blood collection / urine tube	4200 rpm	3550g
2502217136	Round Buckets	148x5 ml Radio-immunity tube	4200 rpm	3550g
2502217137	Round Buckets	96x1.6-7 ml blood collection / urine tube	4200 rpm	3550g
2502217138	Plate Buckets	4x2 pcs microplates (96 wells) or 4x2 pcs microtiter plates or 4x2 pcs cell culture plates or 4x1 pc deep well plates	4200 rpm	3550g
2502217139	No. 10-2 Swing-Bucket Rotor	4x250 ml Corning conical bottle or 4x200 ml Nunc bottle	4200 rpm	3550g
2502217140	No. 11 Fixed-Angle Rotor	6x100 ml	10000 rpm	12060g
2502217141	adapters		10000 rpm	12060g
2502217142	adapters		10000 rpm	12060g
2502217143	adapters		10000 rpm	12060g

2502217144	adapters		10000 rpm	12060g
2502217145	adapters		10000 rpm	12060g
2502217146	adapters		10000 rpm	12060g
2502217147	adapters		10000 rpm	12060g
2502217148	adapters		10000 rpm	12060g
2502217149	adapters		10000 rpm	12060g
2502217150	adapters		10000 rpm	12060g
2502217151	adapters		10000 rpm	12060g
2502217152	adapters		10000 rpm	12060g

LTCEN22-11 BENCHTOP 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	LTCEN22-11
Maximum Capacity (No of tubes x Vol.)	6x100 ml , 4x750 ml
Temp. Control Range	-20°C to 40°C
Temperature Accuracy	± 1°C
Maximum Speed	23000 rpm with 12x1.5/2.0 ml , 4500 rpm with 4x250 ml rotor
Speed Accuracy	± 10 rpm
Maximum RCF	36960xg with 12x1.5/2.0 ml , 3720Xg with 4x250 ml rotor
Time Range	Count up or down
Acceleration Rate	40
Deceleration Rate	40
Refrigeration System	CFC-Free
Control System	Microprocessor
Display	Full color touchscreen interface
Programmability	via easy access touchscreen menu
Drive System	Direct, induction motor drive (Inverter Control)
Rotor Identification	Auto-ID Instant, immediately upon rotor insertion
Program Storage	1000 user-defined
Overall Dimension	26.8x23.6x16.5 in / 68x60x42 mm
Noise Level	≤ 56 dB(A)
Weight (Net/Gross)	106 kg

Max. Power Consumption	1500 W
Power Supply	AC 200-240V, 50/60Hz or AC 100-127V, 50/60Hz

OPTIONAL ACCESSORIES

Accessory Code	Name	Rotor Capacity	Max Speed (rpm)	Max RCF(g)
2502218008	No. 1 Fixed-Angle Rotor	12x1.5/2.0 ml(with adapters for 0.2/0.5ml tube)	23000 rpm	36960g
2502218009	No. 2 Fixed-Angle Rotor	12x5 ml	18000 rpm	26260g
2502218010	No. 3.1 Fixed-Angle Rotor	24x1.5/2.0 ml(with adapters for 0.2/0.5ml tube)	16500 rpm	26360g
2502218011	No. 3.2 Fixed-Angle Rotor	24x1.5/2.0 ml(with adapters for 0.2/0.5ml tube)(rotor with Aerosol-tight lid)	18000 rpm	31370g
2502218012	No. 4.1 Fixed-Angle Rotor	12x10 ml	15500 rpm	22100g
2502218013	No. 4.2 Fixed-Angle Rotor	36x1.5/2.0 ml(with adapters for 0.2/0.5ml tube)	15000 rpm	21760g
2502218014	No. 5.1 Fixed-Angle Rotor	6x50 ml (conical)	13000 rpm	18420g
2502218015	adapters		13000 rpm	18420g
2502218016	adapters		13000 rpm	18420g
2502218017	adapters		13000 rpm	18420g
2502218018	adapters		13000 rpm	18420g
2502218019	adapters		13000 rpm	18420g
2502218020	adapters		13000 rpm	18420g
2502218021	adapters		13000 rpm	18420g
2502218022	adapters		13000 rpm	18420g
2502218023	adapters		13000 rpm	18420g
2502218024	adapters		13000 rpm	18420g
2502218025	No. 5.2 Fixed-Angle Rotor	48x1.5/2.0 ml(with adapters for 0.2/0.5ml tube)	13000 rpm	18515g
2502218026	No. 5.3 Fixed-Angle Rotor	6x50 ml (round bottom)	13000 rpm	19865g
2502218027	adapters		13000 rpm	19865g
2502218028	adapters		13000 rpm	19865g
2502218029	adapters		13000 rpm	19865g
2502218030	adapters		13000 rpm	19865g
2502218031	adapters		13000 rpm	19865g
2502218032	adapters		13000 rpm	19865g
2502218033	adapters		13000 rpm	19865g
2502218034	adapters		13000 rpm	19865g
2502218035	adapters		13000 rpm	19865g
2502218036	No. 6.1 Fixed-Angle Rotor	4x100 ml	12000 rpm	15890g
2502218037	adapters		12000 rpm	15890g
2502218038	adapters		12000 rpm	15890g
2502218039	adapters		12000 rpm	15890g
2502218040	adapters		12000 rpm	15890g
2502218041	adapters		12000 rpm	15890g
2502218042	adapters		12000 rpm	15890g
2502218043	adapters		12000 rpm	15890g
2502218044	adapters		12000 rpm	15890g
2502218045	adapters		12000 rpm	15890g

2502218046	adapters		12000 rpm	15890g
2502218047	adapters		12000 rpm	15890g
2502218048	adapters		12000 rpm	15890g
2502218049	No. 6.2 Fixed-Angle Rotor	8x50 ml (conical)	12000 rpm	16695g
2502218050	adapters		12000 rpm	16695g
2502218051	adapters		12000 rpm	16695g
2502218052	adapters		12000 rpm	16695g
2502218053	adapters		12000 rpm	16695g
2502218054	adapters		12000 rpm	16695g
2502218055	adapters		12000 rpm	16695g
2502218056	adapters		12000 rpm	16695g
2502218057	adapters		12000 rpm	16695g
2502218058	adapters		12000 rpm	16695g
2502218059	adapters		12000 rpm	16695g
2502218060	No. 6.3 Fixed-Angle Rotor	12x15 ml	13000 rpm	18650g
2502218061	adapters		13000 rpm	18650g
2502218062	adapters		13000 rpm	18650g
2502218063	adapters		13000 rpm	18650g
2502218064	adapters		13000 rpm	18650g
2502218065	adapters		13000 rpm	18650g
2502218066	adapters		13000 rpm	18650g
2502218067	No. 6.4 Fixed-Angle Rotor	8x50 ml (round bottom)	12000 rpm	15890g
2502218068	adapters		12000 rpm	15890g
2502218069	adapters		12000 rpm	15890g
2502218070	adapters		12000 rpm	15890g
2502218071	adapters		12000 rpm	15890g
2502218072	adapters		12000 rpm	15890g
2502218073	adapters		12000 rpm	15890g
2502218074	adapters		12000 rpm	15890g
2502218075	adapters		12000 rpm	15890g
2502218076	adapters		12000 rpm	15890g
2502218077	No. 6.5 Fixed-Angle Rotor	24x10 ml	11000 rpm	13350g
2502218078	No. 7 Swing-Bucket Rotor	2x3 pcs microplates (96 wells) or 2x3 pcs microtiter plates or 2x2 pcs cell culture plates or 2x1 pc deep well plates	4000 rpm	1970g
2502218079	No. 8 Swing-Bucket Rotor Rotor Cross		4500 rpm	3720g
2502218080	250ml Round Buckets	4x250 ml	4500 rpm	3720g
2502218081	adapters	4x100 ml	4500 rpm	3720g
2502218082	adapters	4x50 ml	4500 rpm	3720g
2502218083	adapters	8x50 ml (conical)	4500 rpm	3720g
2502218084	adapters	8x50 ml (round bottom)	4500 rpm	3720g
2502218085	adapters	8x30 ml	4500 rpm	3720g
2502218086	adapters	20x15 ml	4500 rpm	3720g
2502218087	adapters	36x10 ml	4500 rpm	3720g
2502218088	adapters	20x5 ml (conical)	4500 rpm	3720g
2502218089	adapters	32x1.5/2.0 ml	4500 rpm	3720g
2502218090	adapters	32x2.0 ml	4500 rpm	3720g
2502218091	adapters	40x0.5 ml	4500 rpm	3720g

2502218092	adapters	20x10 ml virus sampling tube	4500 rpm	3720g
2502218093	adapters	28x4-10 ml blood collection / urine tube	4500 rpm	3720g
2502218094	adapters	40x1.6-7 ml blood collection / urine tube	4500 rpm	3720g
2502218095	Conical Buckets	4x175/225 ml Falcon conical bottle	4500 rpm	3720g
2502218096	Buckets	48x1.6-7 ml blood collection / urine tube	4000 rpm	3100g
2502218097	Buckets	64x1.6-7 ml blood collection / urine tube	4000 rpm	3100g
2502218098	No. 9-1 Swing-Bucket Rotor Rotor Cross		4200 rpm	3550g
2502218099	500ml Round Buckets	4x500 ml	4200 rpm	3550g
2502218100	Aerosol-tight lids for 500ml Round Buckets		4200 rpm	3550g
2502218101	adapters	4x250 ml	4200 rpm	3550g
2502218102	adapters	4x175/225 ml Falcon conical bottle	4200 rpm	3550g
2502218103	adapters	4x100 ml	4200 rpm	3550g
2502218104	adapters	16x50 ml (conical)	4200 rpm	3550g
2502218105	adapters	16x50 ml (round bottom)	4200 rpm	3550g
2502218106	adapters	16x30 ml	4200 rpm	3550g
2502218107	adapters	36x15 ml	4200 rpm	3550g
2502218108	adapters	56x10 ml	4200 rpm	3550g
2502218109	adapters	36x5 ml (conical)	4200 rpm	3550g
2502218110	adapters	80x1.5/2.0 ml	4200 rpm	3550g
2502218111	adapters	60x2.0 ml	4200 rpm	3550g
2502218112	adapters	80x0.5 ml	4200 rpm	3550g
2502218113	adapters	36x10 ml virus sampling tube	4200 rpm	3550g
2502218114	adapters	56x4-10 ml blood collection / urine tube	4200 rpm	3550g
2502218115	adapters	72x1.6-7 ml blood collection / urine tube	4200 rpm	3550g
2502218116	Rectangular Buckets		4200 rpm	3550g
2502218117	adapters	20x50 ml (conical)	4200 rpm	3550g
2502218118	adapters	20x50 ml (round bottom)	4200 rpm	3550g
2502218119	adapters	20x30 ml	4200 rpm	3550g
2502218120	adapters	40x15 ml	4200 rpm	3550g
2502218121	adapters	40x5 ml (conical)	4200 rpm	3550g
2502218122	adapters	100x1.5/2.0 ml	4200 rpm	3550g
2502218123	adapters	100x2.0 ml	4200 rpm	3550g
2502218124	adapters	80x4-10 ml blood collection / urine tube	4200 rpm	3550g
2502218125	adapters	112x1.6-7 ml blood collection / urine tube	4200 rpm	3550g
2502218126	Round Buckets	148x5 ml Radio-immunity tube	4200 rpm	3550g
2502218127	Round Buckets	96x1.6-7 ml blood collection / urine tube	4200 rpm	3550g
2502218128	Plate Buckets	4x2 pcs microplates (96 wells) or 4x2 pcs microtiter plates or 4x2 pcs cell culture plates or 4x1 pc deep well plates	4200 rpm	3550g
2502218129	No. 9-2 Swing-Bucket Rotor	4x250 ml Corning conical bottle or 4x200 ml Nunc bottle	4200 rpm	3550g
2502218130	No. 10-1 Swing-Bucket Rotor	4x750 ml	4000 rpm	3500g
2502218131	adapters	4x500 ml	4000 rpm	3500g
2502218132	adapters	4x250 ml	4000 rpm	3500g
2502218133	adapters	4x175/225 ml Falcon conical bottle	4000 rpm	3500g
2502218134	adapters	12x100 ml	4000 rpm	3500g
2502218135	adapters	20x50 ml (conical)	4000 rpm	3500g

2502218136	adapters	20x50 ml (round bottom)	4000 rpm	3500g
2502218137	adapters	20x30 ml	4000 rpm	3500g
2502218138	adapters	56x15 ml	4000 rpm	3500g
2502218139	adapters	72x10 ml	4000 rpm	3500g
2502218140	adapters	56x5 ml (conical)	4000 rpm	3500g
2502218141	adapters	88x1.5/2.0 ml	4000 rpm	3500g
2502218142	adapters	88x2.0 ml	4000 rpm	3500g
2502218143	adapters	96x0.5 ml	4000 rpm	3500g
2502218144	adapters	76x4-10 ml blood collection / urine tube	4000 rpm	3500g
2502218145	adapters	96x1.6-7 ml blood collection / urine tube	4000 rpm	3500g
2502218146	adapters	148x5 ml Radio-immunity tube	4000 rpm	3500g
2502218147	adapters	4x30/50 ml Falcon Cell Culture Flasks or 4x30/50 ml Corning Cell Culture Flasks	4000 rpm	3500g
2502218148	adapters	4x40 ml Nunc Cell Culture Flasks	4000 rpm	3500g
2502218149	adapters	4x160 ml Nunc Cell Culture Flasks	4000 rpm	3500g
2502218150	adapters	4x200 ml Falcon Cell Culture Flasks or 4x200 ml Greiner Cell Culture Flasks or 4x200 ml Nunc Cell Culture Flasks	4000 rpm	3500g
2502218151	No. 10-2 Swing-Bucket Rotor	4x500 ml Corning conical bottle	4000 rpm	3500g
2502218152	No. 11 Fixed-Angle Rotor	6x100 ml	10000 rpm	12060g
2502218153	adapters		10000 rpm	12060g
2502218154	adapters		10000 rpm	12060g
2502218155	adapters		10000 rpm	12060g
2502218156	adapters		10000 rpm	12060g
2502218157	adapters		10000 rpm	12060g
2502218158	adapters		10000 rpm	12060g
2502218159	adapters		10000 rpm	12060g
2502218160	adapters		10000 rpm	12060g
2502218161	adapters		10000 rpm	12060g
2502218162	adapters		10000 rpm	12060g
2502218163	adapters		10000 rpm	12060g
2502218164	adapters		10000 rpm	12060g
2502218165	No. 12 Fixed-Angle Rotor	8x15 ml	14500 rpm	18570g
2502218166	adapters		14500 rpm	18570g
2502218167	adapters		14500 rpm	18570g
2502218168	adapters		14500 rpm	18570g
2502218169	adapters		14500 rpm	18570g
2502218170	adapters		14500 rpm	18570g
2502218171	adapters		14500 rpm	18570g
2502218172	No. 13 Fixed-Angle Rotor	12x50 ml (conical)	10000 rpm	14310g
2502218173	adapters		10000 rpm	14310g
2502218174	adapters		10000 rpm	14310g
2502218175	adapters		10000 rpm	14310g
2502218176	adapters		10000 rpm	14310g
2502218177	adapters		10000 rpm	14310g
2502218178	adapters		10000 rpm	14310g
2502218179	adapters		10000 rpm	14310g
2502218180	adapters		10000 rpm	14310g

2502218181	adapters		10000 rpm	14310g
2502218182	adapters		10000 rpm	14310g

LTCEN22-13 BENCHTOP REFRIGERATED CENTRIFUGE

Store 12 programs in centrifuge memory which are retained even after powering down the centrifuge. Speed and the centrifugal force can be step adjusted (10 RPM/10xg). High quality CFC-free compressor.



SPECIFICATIONS

Model	LTCEN22-13
Maximum Capacity (No of tubes x Vol.)	6x100 ml
Maximum Speed	16500 rpm
Speed Accuracy	±10rpm
Maximum RCF	21630xg , 1500xg
Temp. Control Range	-20~40°C increments
Temperature Accuracy	±1°C
Time Range	1 min-99 h:59 min,Short
Acceleration Rate	40
Deceleration Rate	40
Refrigeration System	CFC-Free
Rotor Identification	Auto-ID Instant,immediately upon rotor insertion
Drive System	Direct, induction motor drive (Inverter Control)
Noise Level	≤56 dB (A)
Overall Dimension	16.5x20.5x14.2 in / 42x52x36 mm
Max. Power Consumption	1200 W
Power Supply	AC 200-240V,50/60Hz or AC 100-127V, 50/60Hz

OPTIONAL ACCESSORIES

Accessory Code	Name	Rotor Capacity	Max Speed (rpm)	Max RCF(g)
2502220008	No. 1 Fixed-Angle Rotor	12x1.5/2.0 ml(with adapters for 0.2/0.5ml tube)	16500 rpm	19000Xg
2502220009	No. 2 Fixed-Angle Rotor	12x5 ml	15000 rpm	18270Xg
2502220010	No. 3-1 Fixed-Angle Rotor	24x1.5/2.0 ml(with adapters for 0.2/0.5ml tube)	15000 rpm	21630Xg
2502220011	No. 3-2 Fixed-Angle Rotor	24x1.5/2.0 ml (with adapters for 0.2/0.5 ml tube)(rotor with Aerosol-tight lid)	15000 rpm	21630Xg
2502220012	No. 4-1 Fixed-Angle Rotor	12x10 ml	13000 rpm	15620Xg
2502220013	No. 4-2 Fixed-Angle Rotor	36x1.5/2.0 ml(with adapters for 0.2/0.5ml tube)	13000 rpm	15620Xg
2502220014	No. 5-1 Fixed-Angle Rotor	6x50 ml (conical)	12000 rpm	15970Xg

2502220015	adapters		12000 rpm	15970Xg
2502220016	adapters		12000 rpm	15970Xg
2502220017	adapters		12000 rpm	15970Xg
2502220018	adapters		12000 rpm	15970Xg
2502220019	adapters		12000 rpm	15970Xg
2502220020	adapters		12000 rpm	15970Xg
2502220021	adapters		12000 rpm	15970Xg
2502220022	adapters		12000 rpm	15970Xg
2502220023	adapters		12000 rpm	15970Xg
2502220024	adapters		12000 rpm	15970Xg
2502220025	No. 5-2 Fixed-Angle Rotor	48x1.5/2.0 ml(with adapters for 0.2/0.5ml tube)	12000 rpm	15970Xg
2502220026	No. 5-3 Fixed-Angle Rotor	6x50 ml (round bottom)	12000 rpm	15970Xg
2502220027	adapters		12000 rpm	15970Xg
2502220028	adapters		12000 rpm	15970Xg
2502220029	adapters		12000 rpm	15970Xg
2502220030	adapters		12000 rpm	15970Xg
2502220031	adapters		12000 rpm	15970Xg
2502220032	adapters		12000 rpm	15970Xg
2502220033	adapters		12000 rpm	15970Xg
2502220034	adapters		12000 rpm	15970Xg
2502220035	adapters		12000 rpm	15970Xg
2502220036	No. 6-1 Fixed-Angle Rotor	4x100 ml	11000 rpm	12870Xg
2502220037	adapters		11000 rpm	12870Xg
2502220038	adapters		11000 rpm	12870Xg
2502220039	adapters		11000 rpm	12870Xg
2502220040	adapters		11000 rpm	12870Xg
2502220041	adapters		11000 rpm	12870Xg
2502220042	adapters		11000 rpm	12870Xg
2502220043	adapters		11000 rpm	12870Xg
2502220044	adapters		11000 rpm	12870Xg
2502220045	adapters		11000 rpm	12870Xg
2502220046	adapters		11000 rpm	12870Xg
2502220047	adapters		11000 rpm	12870Xg
2502220048	adapters		11000 rpm	12870Xg
2502220049	No. 6-2 Fixed-Angle Rotor	8x50 ml (conical)	11000 rpm	12870Xg
2502220050	adapters		11000 rpm	12870Xg
2502220051	adapters		11000 rpm	12870Xg
2502220052	adapters		11000 rpm	12870Xg
2502220053	adapters		11000 rpm	12870Xg
2502220054	adapters		11000 rpm	12870Xg
2502220055	adapters		11000 rpm	12870Xg
2502220056	adapters		11000 rpm	12870Xg
2502220057	adapters		11000 rpm	12870Xg
2502220058	adapters		11000 rpm	12870Xg
2502220059	adapters		11000 rpm	12870Xg
2502220060	No. 6-3 Fixed-Angle Rotor	12x15 ml	11000 rpm	12870Xg
2502220061	adapters		11000 rpm	12870Xg
2502220062	adapters		11000 rpm	12870Xg

2502220063	adapters		11000 rpm	12870Xg
2502220064	adapters		11000 rpm	12870Xg
2502220065	adapters		11000 rpm	12870Xg
2502220066	adapters		11000 rpm	12870Xg
2502220067	No. 6-4 Fixed-Angle Rotor	8x50 ml (round bottom)	11000 rpm	12870Xg
2502220068	adapters		11000 rpm	12870Xg
2502220069	adapters		11000 rpm	12870Xg
2502220070	adapters		11000 rpm	12870Xg
2502220071	adapters		11000 rpm	12870Xg
2502220072	adapters		11000 rpm	12870Xg
2502220073	adapters		11000 rpm	12870Xg
2502220074	adapters		11000 rpm	12870Xg
2502220075	adapters		11000 rpm	12870Xg
2502220076	adapters		11000 rpm	12870Xg
2502220077	No. 6-5 Fixed-Angle Rotor	24x10 ml	11000 rpm	12870Xg
2502220078	No. 7 Fixed-Angle Rotor	6x10 ml	16000 rpm	19070Xg
2502220079	No. 8-1 Fixed-Angle Rotor	8x15 ml	13000 rpm	15620Xg
2502220080	adapters		13000 rpm	15620Xg
2502220081	adapters		13000 rpm	15620Xg
2502220082	adapters		13000 rpm	15620Xg
2502220083	adapters		13000 rpm	15620Xg
2502220084	adapters		13000 rpm	15620Xg
2502220085	adapters		13000 rpm	15620Xg
2502220086	No. 8-2 Fixed-Angle Rotor	6X30 ml	13000 rpm	15620Xg
2502220087	adapters		13000 rpm	15620Xg
2502220088	adapters		13000 rpm	15620Xg
2502220089	adapters		13000 rpm	15620Xg
2502220090	No. 9 Fixed-Angle Rotor	4xPCR-Strips	13000 rpm	14640Xg
2502220091	No. 10 Fixed-Angle Rotor	6x100 ml	9000 rpm	9770Xg
2502220092	adapters		9000 rpm	9770Xg
2502220093	adapters		9000 rpm	9770Xg
2502220094	adapters		9000 rpm	9770Xg
2502220095	adapters		9000 rpm	9770Xg
2502220096	adapters		9000 rpm	9770Xg
2502220097	adapters		9000 rpm	9770Xg
2502220098	adapters		9000 rpm	9770Xg
2502220099	adapters		9000 rpm	9770Xg
2502220100	adapters		9000 rpm	9770Xg
2502220101	adapters		9000 rpm	9770Xg
2502220102	adapters		9000 rpm	9770Xg
2502220103	adapters		9000 rpm	9770Xg
2502220104	No. 11 Swing-Bucket Rotor	2x2 pcs microplates (48 wells)	4000 rpm	1500Xg

LTCEN22-14 BENCHTOP REFRIGERATED CENTRIFUGE

Full color touch screen interface with microprocessor control system. Store 1000 programs in centrifuge memory which are retained even after powering down the centrifuge. Speed and the centrifugal force can be step adjusted (10 RPM/10xg). High quality CFC-free compressor.



SPECIFICATIONS

Model	LTCEN22-14
Maximum Capacity (No of tubes x Vol.)	6x100 ml
Maximum Speed	16500 rpm with 12x1.5/2.0 ml , 4000 rpm with 2x2 pcs microplates rotor
Speed Accuracy	±10rpm
Maximum RCF	24760xg with 24x1.5/2.0 ml , 1500Xg with 2x2 pcs microplates rotor
Temp. Control Range	-20~40°C
Temperature Accuracy	±1°C
Time Range	Count up or down
Acceleration	40
Deceleration	40
Refrigeration System	CFC-Free
Control System	Microprocessor
Rotor Identification	Auto-ID Instant,immediately upon rotor insertion
Drive System	Direct,induction motor drive (Inverter Control)
Programmability	Via easy access touch screen menu
Program Storage	1000 user-defined
Noise Level	≤56 dB (A)
Weight	60 kg
Overall Dimension	16.5x20.5x14.2 in / 42x52x36 mm
Max. Power Consumption	1200 W
Power Supply	AC 200-240V,50/60Hz or AC 100-127V, 50/60Hz

OPTIONAL ACCESSORIES

Accessory Code	Name	Rotor Capacity	Max Speed (rpm)	Max RCF(g)
2502221008	No. 1 Fixed-Angle Rotor	12x1.5/2.0 ml(with adapters for 0.2/0.5ml tube)	16500 rpm	19000Xg
2502221009	No. 2 Fixed-Angle Rotor	12x5 ml	16000 rpm	20780Xg
2502221010	No. 3-1 Fixed-Angle Rotor	24x1.5/2.0 ml(with adapters for 0.2/0.5ml tube)	16000 rpm	24790Xg
2502221011	No. 3-2 Fixed-Angle Rotor	24x1.5/2.0 ml(with adapters for 0.2/0.5ml tube)(rotor with Aerosol-tight lid)	16000 rpm	24790Xg
2502221012	No. 4-1 Fixed-Angle Rotor	12x10 ml	14000 rpm	18120Xg
2502221013	No. 4-2 Fixed-Angle Rotor	36x1.5/2.0 ml(with adapters for 0.2/0.5ml tube)	14000 rpm	18960Xg

2502221014	No. 5-1 Fixed-Angle Rotor	6x50 ml (conical)	12000 rpm	15700Xg
2502221015	adapters		12000 rpm	15700Xg
2502221016	adapters		12000 rpm	15700Xg
2502221017	adapters		12000 rpm	15700Xg
2502221018	adapters		12000 rpm	15700Xg
2502221019	adapters		12000 rpm	15700Xg
2502221020	adapters		12000 rpm	15700Xg
2502221021	adapters		12000 rpm	15700Xg
2502221022	adapters		12000 rpm	15700Xg
2502221023	adapters		12000 rpm	15700Xg
2502221024	adapters		12000 rpm	15700Xg
2502221025	No. 5-2 Fixed-Angle Rotor	48x1.5/2.0 ml(with adapters for 0.2/0.5ml tube)	12000 rpm	15780Xg
2502221026	No. 5-3 Fixed-Angle Rotor	6x50 ml (round bottom)	12000 rpm	15700Xg
2502221027	adapters		12000 rpm	15700Xg
2502221028	adapters		12000 rpm	15700Xg
2502221029	adapters		12000 rpm	15700Xg
2502221030	adapters		12000 rpm	15700Xg
2502221031	adapters		12000 rpm	15700Xg
2502221032	adapters		12000 rpm	15700Xg
2502221033	adapters		12000 rpm	15700Xg
2502221034	adapters		12000 rpm	15700Xg
2502221035	adapters		12000 rpm	15700Xg
2502221036	No. 6-1 Fixed-Angle Rotor	4x100 ml	11000 rpm	13350Xg
2502221037	adapters		11000 rpm	13350Xg
2502221038	adapters		11000 rpm	13350Xg
2502221039	adapters		11000 rpm	13350Xg
2502221040	adapters		11000 rpm	13350Xg
2502221041	adapters		11000 rpm	13350Xg
2502221042	adapters		11000 rpm	13350Xg
2502221043	adapters		11000 rpm	13350Xg
2502221044	adapters		11000 rpm	13350Xg
2502221045	adapters		11000 rpm	13350Xg
2502221046	adapters		11000 rpm	13350Xg
2502221047	adapters		11000 rpm	13350Xg
2502221048	adapters		11000 rpm	13350Xg
2502221049	No. 6-2 Fixed-Angle Rotor	8x50 ml (conical)	11000 rpm	14030Xg
2502221050	adapters		11000 rpm	14030Xg
2502221051	adapters		11000 rpm	14030Xg
2502221052	adapters		11000 rpm	14030Xg
2502221053	adapters		11000 rpm	14030Xg
2502221054	adapters		11000 rpm	14030Xg
2502221055	adapters		11000 rpm	14030Xg
2502221056	adapters		11000 rpm	14030Xg
2502221057	adapters		11000 rpm	14030Xg
2502221058	adapters		11000 rpm	14030Xg
2502221059	adapters		11000 rpm	14030Xg
2502221060	No. 6-3 Fixed-Angle Rotor	12x5 ml	11000 rpm	13360Xg
2502221061	adapters		11000 rpm	13360Xg

2502221062	adapters		11000 rpm	13360Xg
2502221063	adapters		11000 rpm	13360Xg
2502221064	adapters		11000 rpm	13360Xg
2502221065	adapters		11000 rpm	13360Xg
2502221066	adapters		11000 rpm	13360Xg
2502221067	No. 6-4 Fixed-Angle Rotor	8x50 ml (round bottom)	11000 rpm	13350Xg
2502221068	adapters		11000 rpm	13350Xg
2502221069	adapters		11000 rpm	13350Xg
2502221070	adapters		11000 rpm	13350Xg
2502221071	adapters		11000 rpm	13350Xg
2502221072	adapters		11000 rpm	13350Xg
2502221073	adapters		11000 rpm	13350Xg
2502221074	adapters		11000 rpm	13350Xg
2502221075	adapters		11000 rpm	13350Xg
2502221076	adapters		11000 rpm	13350Xg
2502221077	No. 6-5 Fixed-Angle Rotor	24x10 ml	11000 rpm	13350Xg
2502221078	No. 7 Fixed-Angle Rotor	6x10 ml	16000 rpm	18980Xg
2502221079	No. 8-1 Fixed-Angle Rotor	8x15 ml	14000 rpm	17310Xg
2502221080	adapters		14000 rpm	17310Xg
2502221081	adapters		14000 rpm	17310Xg
2502221082	adapters		14000 rpm	17310Xg
2502221083	adapters		14000 rpm	17310Xg
2502221084	adapters		14000 rpm	17310Xg
2502221085	adapters		14000 rpm	17310Xg
2502221086	No. 8-2 Fixed-Angle Rotor	6x30 ml	14000 rpm	18450Xg
2502221087	adapters		14000 rpm	18450Xg
2502221088	adapters		14000 rpm	18450Xg
2502221089	adapters		14000 rpm	18450Xg
2502221090	No. 9 Fixed-Angle Rotor	4xPCR-Strips	13000 rpm	14640Xg
2502221091	No. 10 Fixed-Angle Rotor	6x100 ml	9000 rpm	9770Xg
2502221092	adapters		9000 rpm	9770Xg
2502221093	adapters		9000 rpm	9770Xg
2502221094	adapters		9000 rpm	9770Xg
2502221095	adapters		9000 rpm	9770Xg
2502221096	adapters		9000 rpm	9770Xg
2502221097	adapters		9000 rpm	9770Xg
2502221098	adapters		9000 rpm	9770Xg
2502221099	adapters		9000 rpm	9770Xg
2502221100	adapters		9000 rpm	9770Xg
2502221101	adapters		9000 rpm	9770Xg
2502221102	adapters		9000 rpm	9770Xg
2502221103	adapters		9000 rpm	9770Xg
2502221104	No. 11 Swing-Bucket Rotor	2x2 pcs microplates (48 wells)	4000 rpm	1500Xg

LTCEN22-15 BENCHTOP REFRIGERATED CENTRIFUGE

Full color touch screen interface with microprocessor control system. Store 1000 programs in centrifuge memory which are retained even after powering down the centrifuge. Speed and the centrifugal force can be step adjusted (10 RPM/10xg). High quality CFC-free compressor and maximum speed of 17000 rpm.



SPECIFICATIONS

Model	LTCEN22-15
Maximum Capacity (No of tubes x Vol.)	4x100 ml / 8x50 ml , 4x250 ml
Maximum Speed	18 500 rpm with 12 x 1.5/2.0 ml ,4 500 rpm with 4 x 250 ml rotor
Speed Accuracy	±10rpm
Maximum RCF	3720xg with 4 x 250 ml rotor , 29990Xg with 24x1.5/2.0 ml
Temp. Control Range	-20~40°C
Temperature Accuracy	±1°C
Time Range	Count up or down
Acceleration	40
Deceleration	40
Refrigeration System	CFC-Free
Control System	Microprocessor
Display	Full color touch screen interface
Rotor Identification	Auto-ID Instant,immediately upon rotor insertion
Drive System	Direct,induction motor drive (Inverter Control)
Programmability	Via easy access touch screen menu
Program Storage	1000 user-defined
Noise Level	≤56 dB (A)
Weight	80 kg
Overall Dimension	25.2x22x15.4 in / 64x56x39 mm
Max. Power Consumption	1200 KW
Power Supply	AC 200-240V,50/60Hz or AC 100-127V, 50/60Hz

OPTIONAL ACCESSORIES

Accessory Code	Name	Rotor Capacity	Max Speed (rpm)	Max RCF(g)
2502222008	No. 1 Fixed-Angle Rotor	12x1.5/2.0 ml(with adapters for 0.2/0.5ml tube)	18500 rpm	23915Xg
2502222009	No. 2 Fixed-Angle Rotor	12x5 ml	15000 rpm	18270Xg
2502222010	No. 3-1 Fixed-Angle Rotor	24x1.5/2.0 ml(with adapters for 0.2/0.5ml tube)	15000 rpm	21970Xg
2502222011	No. 3-2 Fixed-Angle Rotor	24x1.5/2.0 ml(with adapters for 0.2/0.5ml tube)(rotor with Aerosol-tight lid)	17600 rpm	29990Xg
2502222012	No. 4-1 Fixed-Angle Rotor	12x10 ml	14000 rpm	18120Xg

2502222013	No. 4-2 Fixed-Angle Rotor	36x1.5/2.0 ml(with adapters for 0.2/0.5ml tube)	13000 rpm	16340Xg
2502222014	No. 5-1 Fixed-Angle Rotor	6x50 ml (conical)	12000 rpm	15970Xg
2502222015	adapters		12000 rpm	15970Xg
2502222016	adapters		12000 rpm	15970Xg
2502222017	adapters		12000 rpm	15970Xg
2502222018	adapters		12000 rpm	15970Xg
2502222019	adapters		12000 rpm	15970Xg
2502222020	adapters		12000 rpm	15970Xg
2502222021	adapters		12000 rpm	15970Xg
2502222022	adapters		12000 rpm	15970Xg
2502222023	adapters		12000 rpm	15970Xg
2502222024	adapters		12000 rpm	15970Xg
2502222025	No. 5-2 Fixed-Angle Rotor	48x1.5/2.0 ml(with adapters for 0.2/0.5ml tube)	12000 rpm	15780Xg
2502222026	No. 5-3 Fixed-Angle Rotor	6x50 ml (round bottom)	12000 rpm	15970Xg
2502222027	adapters		12000 rpm	15970Xg
2502222028	adapters		12000 rpm	15970Xg
2502222029	adapters		12000 rpm	15970Xg
2502222030	adapters		12000 rpm	15970Xg
2502222031	adapters		12000 rpm	15970Xg
2502222032	adapters		12000 rpm	15970Xg
2502222033	adapters		12000 rpm	15970Xg
2502222034	adapters		12000 rpm	15970Xg
2502222035	adapters		12000 rpm	15970Xg
2502222036	No. 6-1 Fixed-Angle Rotor	4x100 ml	11000 rpm	13350Xg
2502222037	adapters		11000 rpm	13350Xg
2502222038	adapters		11000 rpm	13350Xg
2502222039	adapters		11000 rpm	13350Xg
2502222040	adapters		11000 rpm	13350Xg
2502222041	adapters		11000 rpm	13350Xg
2502222042	adapters		11000 rpm	13350Xg
2502222043	adapters		11000 rpm	13350Xg
2502222044	adapters		11000 rpm	13350Xg
2502222045	adapters		11000 rpm	13350Xg
2502222046	adapters		11000 rpm	13350Xg
2502222047	adapters		11000 rpm	13350Xg
2502222048	adapters		11000 rpm	13350Xg
2502222049	No. 6-2 Fixed-Angle Rotor	8x50 ml	11000 rpm	14030Xg
2502222050	adapters		11000 rpm	14030Xg
2502222051	adapters		11000 rpm	14030Xg
2502222052	adapters		11000 rpm	14030Xg
2502222053	adapters		11000 rpm	14030Xg
2502222054	adapters		11000 rpm	14030Xg
2502222055	adapters		11000 rpm	14030Xg
2502222056	adapters		11000 rpm	14030Xg
2502222057	adapters		11000 rpm	14030Xg
2502222058	adapters		11000 rpm	14030Xg
2502222059	adapters		11000 rpm	14030Xg
2502222060	No. 6-3 Fixed-Angle Rotor	12x15 ml	12000 rpm	15890Xg

2502222061	adapters		12000 rpm	15890Xg
2502222062	adapters		12000 rpm	15890Xg
2502222063	adapters		12000 rpm	15890Xg
2502222064	adapters		12000 rpm	15890Xg
2502222065	adapters		12000 rpm	15890Xg
2502222066	adapters		12000 rpm	15890Xg
2502222067	No. 6-4 Fixed-Angle Rotor	8x50 ml (round bottom)	11000 rpm	13350Xg
2502222068	adapters		11000 rpm	13350Xg
2502222069	adapters		11000 rpm	13350Xg
2502222070	adapters		11000 rpm	13350Xg
2502222071	adapters		11000 rpm	13350Xg
2502222072	adapters		11000 rpm	13350Xg
2502222073	adapters		11000 rpm	13350Xg
2502222074	adapters		11000 rpm	13350Xg
2502222075	adapters		11000 rpm	13350Xg
2502222076	adapters		11000 rpm	13350Xg
2502222077	No. 6-5 Fixed-Angle Rotor	24x10 ml	11000 rpm	13350Xg
2502222078	No. 7 Fixed-Angle Rotor	6x10 ml	16000 rpm	18980Xg
2502222079	No. 8-1 Fixed-Angle Rotor	8x15 ml	13000 rpm	14930Xg
2502222080	adapters		13000 rpm	14930Xg
2502222081	adapters		13000 rpm	14930Xg
2502222082	adapters		13000 rpm	14930Xg
2502222083	adapters		13000 rpm	14930Xg
2502222084	adapters		13000 rpm	14930Xg
2502222085	adapters		13000 rpm	14930Xg
2502222086	No. 8-2 Fixed-Angle Rotor	6x30 ml	13000 rpm	15910Xg
2502222087	adapters		13000 rpm	15910Xg
2502222088	adapters		13000 rpm	15910Xg
2502222089	adapters		13000 rpm	15910Xg
2502222090	No. 9 Swing-Bucket Rotor	2x3 pcs microplates (96 wells) or 2x3 pcs microtiter plates or 2x2 pcs cell culture plates or 2x1 pc deep well plates	4000 rpm	1970Xg
2502222091	Rotor Cross		4500 rpm	3720Xg
2502222092	250 ml Round Buckets	4x250 ml	4500 rpm	3720Xg
2502222093	adapters	4x100 ml	4500 rpm	3720Xg
2502222094	adapters	4x50 ml	4500 rpm	3720Xg
2502222095	adapters	8x50 ml (conical)	4500 rpm	3720Xg
2502222096	adapters	8x50 ml (round bottom)	4500 rpm	3720Xg
2502222097	adapters	8x30 ml	4500 rpm	3720Xg
2502222098	adapters	20x15 ml	4500 rpm	3720Xg
2502222099	adapters	36x10 ml	4500 rpm	3720Xg
2502222100	adapters	20x5 ml (conical)	4500 rpm	3720Xg
2502222101	adapters	32x1.5/2.0 ml	4500 rpm	3720Xg
2502222102	adapters	32x2.0 ml	4500 rpm	3720Xg
2502222103	adapters	40x0.5 ml	4500 rpm	3720Xg
2502222104	adapters	20x10 ml virus sampling tube	4500 rpm	3720Xg
2502222105	adapters	28x4-10 ml blood collection / urine tube	4500 rpm	3720Xg
2502222106	adapters	40x1.6-7 ml blood collection / urine tube	4500 rpm	3720Xg

2502222107	Conical Buckets	4x175/225 ml Falcon conical bottle	4500 rpm	3720Xg
2502222108	Buckets	36x4-10 ml blood collection /urine tube	4000 rpm	3100Xg
2502222109	Buckets	48x1.6-7 ml blood collection / urine tube	4000 rpm	3100Xg
2502222110	Buckets	64x1.6-7 ml blood collection / urine tube	4000 rpm	3100Xg

LTCEN22-16 BENCHTOP REFRIGERATED CENTRIFUGE

Full color touch screen interface with microprocessor control system. Store 12 programs in centrifuge memory which are retained even after powering down the centrifuge. Speed and the centrifugal force can be step adjusted (10 RPM/10xg). High quality CFC-free compressor and maximum speed of 18000 rpm.



SPECIFICATIONS

Model	LTCEN22-16
Maximum Capacity (No of tubes x Vol.)	6x100 ml
Maximum Speed	18000 rpm
Speed Accuracy	±10rpm
Maximum RCF	22500xg , 1500xg
Temp. Control Range	-20~40°C increments
Temperature Accuracy	±1°C
Time Range	1 min-99 h:59 min, Pulse
Acceleration	40
Deceleration	40
Refrigeration System	CFC-Free
Drive System	Direct,induction motor drive (Inverter Control)
Rotor Identification	Auto-ID Instant,automatic
Program	12 user-defined
Noise Level level	≤60 dB (A)
Overall Dimension	24.6x16.5x14.1 in / 62.5x42x36 mm
Max. Power Consumption	1200 KW
Power Supply	AC 200-240V,50/60Hz or AC 100-127V, 50/60Hz

OPTIONAL ACCESSORIES

Accessory Code	Name	Rotor Capacity	Max Speed (rpm)	Max RCF(g)
2502223008	No. 1 Fixed-Angle Rotor	12x1.5/2.0 ml(with adapters for 0.2/0.5ml tube)	18000 rpm	22500Xg
2502223009	No. 2 Fixed-Angle Rotor	12x5 ml	15000 rpm	18270Xg
2502223010	No. 3-1 Fixed-Angle Rotor	24x1.5/2.0 ml(with adapters for 0.2/0.5ml tube)	15000 rpm	21630Xg
2502223011	No. 3-2 Fixed-Angle Rotor	24x1.5/2.0 ml(with adapters for 0.2/0.5ml tube)(rotor with Aerosol-tight lid)	15000 rpm	21630Xg

2502223012	No. 4-1 Fixed-Angle Rotor	12x10 ml	13000 rpm	15620Xg
2502223013	No. 4-2 Fixed-Angle Rotor	36x1.5/2.0 ml(with adapters for 0.2/0.5ml tube)	13000 rpm	15620Xg
2502223014	No. 5-1 Fixed-Angle Rotor	6x50 ml (conical)	12000 rpm	15970Xg
2502223015	adapters		12000 rpm	15970Xg
2502223016	adapters		12000 rpm	15970Xg
2502223017	adapters		12000 rpm	15970Xg
2502223018	adapters		12000 rpm	15970Xg
2502223019	adapters		12000 rpm	15970Xg
2502223020	adapters		12000 rpm	15970Xg
2502223021	adapters		12000 rpm	15970Xg
2502223022	adapters		12000 rpm	15970Xg
2502223023	adapters		12000 rpm	15970Xg
2502223024	adapters		12000 rpm	15970Xg
2502223025	No. 5-2 Fixed-Angle Rotor	48x1.5/2.0 ml(with adapters for 0.2/0.5ml tube)	12000 rpm	15970Xg
2502223026	No. 5-3 Fixed-Angle Rotor	6x50 ml (round bottom)	12000 rpm	15970Xg
2502223027	adapters		12000 rpm	15970Xg
2502223028	adapters		12000 rpm	15970Xg
2502223029	adapters		12000 rpm	15970Xg
2502223030	adapters		12000 rpm	15970Xg
2502223031	adapters		12000 rpm	15970Xg
2502223032	adapters		12000 rpm	15970Xg
2502223033	adapters		12000 rpm	15970Xg
2502223034	adapters		12000 rpm	15970Xg
2502223035	adapters		12000 rpm	15970Xg
2502223036	No. 6-1 Fixed-Angle Rotor	4x100 ml	11000 rpm	12870Xg
2502223037	adapters		11000 rpm	12870Xg
2502223038	adapters		11000 rpm	12870Xg
2502223039	adapters		11000 rpm	12870Xg
2502223040	adapters		11000 rpm	12870Xg
2502223041	adapters		11000 rpm	12870Xg
2502223042	adapters		11000 rpm	12870Xg
2502223043	adapters		11000 rpm	12870Xg
2502223044	adapters		11000 rpm	12870Xg
2502223045	adapters		11000 rpm	12870Xg
2502223046	adapters		11000 rpm	12870Xg
2502223047	adapters		11000 rpm	12870Xg
2502223048	adapters		11000 rpm	12870Xg
2502223049	No. 6-2 Fixed-Angle Rotor	8x50 ml (conical)	11000 rpm	12870Xg
2502223050	adapters		11000 rpm	12870Xg
2502223051	adapters		11000 rpm	12870Xg
2502223052	adapters		11000 rpm	12870Xg
2502223053	adapters		11000 rpm	12870Xg
2502223054	adapters		11000 rpm	12870Xg
2502223055	adapters		11000 rpm	12870Xg
2502223056	adapters		11000 rpm	12870Xg
2502223057	adapters		11000 rpm	12870Xg
2502223058	adapters		11000 rpm	12870Xg
2502223059	adapters		11000 rpm	12870Xg

2502223060	No. 6-3 Fixed-Angle Rotor	12x15 ml	11000 rpm	12870Xg
2502223061	adapters		11000 rpm	12870Xg
2502223062	adapters		11000 rpm	12870Xg
2502223063	adapters		11000 rpm	12870Xg
2502223064	adapters		11000 rpm	12870Xg
2502223065	adapters		11000 rpm	12870Xg
2502223066	adapters		11000 rpm	12870Xg
2502223067	No. 6-4 Fixed-Angle Rotor	8x50 ml (round bottom)	11000 rpm	12870Xg
2502223068	adapters		11000 rpm	12870Xg
2502223069	adapters		11000 rpm	12870Xg
2502223070	adapters		11000 rpm	12870Xg
2502223071	adapters		11000 rpm	12870Xg
2502223072	adapters		11000 rpm	12870Xg
2502223073	adapters		11000 rpm	12870Xg
2502223074	adapters		11000 rpm	12870Xg
2502223075	adapters		11000 rpm	12870Xg
2502223076	adapters		11000 rpm	12870Xg
2502223077	No. 6-5 Fixed-Angle Rotor	24x10 ml	11000 rpm	12870Xg
2502223078	No. 7 Fixed-Angle Rotor	6x10 ml	16000 rpm	19070Xg
2502223079	No. 8-1 Fixed-Angle Rotor	8x15 ml	13000 rpm	15620Xg
2502223080	adapters		13000 rpm	15620Xg
2502223081	adapters		13000 rpm	15620Xg
2502223082	adapters		13000 rpm	15620Xg
2502223083	adapters		13000 rpm	15620Xg
2502223084	adapters		13000 rpm	15620Xg
2502223085	adapters		13000 rpm	15620Xg
2502223086	No. 8-2 Fixed-Angle Rotor	6x30 ml	13000 rpm	15620Xg
2502223087	adapters		13000 rpm	15620Xg
2502223088	adapters		13000 rpm	15620Xg
2502223089	adapters		13000 rpm	15620Xg
2502223090	No. 9 Fixed-Angle Rotor	4xPCR-Strips	13000 rpm	14460Xg
2502223091	No. 10 Fixed-Angle Rotor	6x100 ml	9000 rpm	9770Xg
2502223092	adapters		9000 rpm	9770Xg
2502223093	adapters		9000 rpm	9770Xg
2502223094	adapters		9000 rpm	9770Xg
2502223095	adapters		9000 rpm	9770Xg
2502223096	adapters		9000 rpm	9770Xg
2502223097	adapters		9000 rpm	9770Xg
2502223098	adapters		9000 rpm	9770Xg
2502223099	adapters		9000 rpm	9770Xg
2502223100	adapters		9000 rpm	9770Xg
2502223101	adapters		9000 rpm	9770Xg
2502223102	adapters		9000 rpm	9770Xg
2502223103	adapters		9000 rpm	9770Xg
2502223104	No. 11 Swing-Bucket Rotor	2x2 pcs microplates (48 wells)	4000 rpm	1500Xg

LTCEN22-17 BENCHTOP REFRIGERATED CENTRIFUGE

Full color touch screen interface with microprocessor control system. Store 1000 programs in centrifuge memory which are retained even after powering down the centrifuge. Speed and the centrifugal force can be step adjusted (10 RPM/10xg). High quality CFC-free compressor and maximum speed of 20000 rpm.



SPECIFICATIONS

Model	LTCEN22-17
Maximum Capacity (No of tubes x Vol.)	6x100 ml
Maximum Speed	20000 rpm with 12x1.5/2.0 ml
Speed Accuracy	±10rpm
Maximum RCF	31370Xg with 24x1.5/2.0 ml
Temp. Control Range	-20~40°C
Temperature Accuracy	±1°C
Time Range	Count up or down
Acceleration	40
Deceleration	40
Refrigeration System	CFC-Free
Control System	Microprocessor
Display	Full color touch screen interface
Rotor Identification	Auto-ID Instant,immediately upon rotor insertion
Drive System	Direct,induction motor drive (Inverter Control)
Programmability	Via easy access touch screen menu
Program Storage	1000 user-defined
Noise Level	≤57 dB (A)
Weight	60 kg
Overall Dimension	16.5x20.5x14.2 in / 42x52x36 mm
Max. Power Consumption	1200 KW
Power Supply	AC 200-240V,50/60Hz or AC 100-127V,50/60Hz

OPTIONAL ACCESSORIES

Accessory Code	Name	Rotor Capacity	Max Speed (rpm)	Max RCF(g)
2502224008	No. 1 Fixed-Angle Rotor	12x1.5/2.0 ml(with adapters for 0.2/0.5ml tube)	20000 rpm	27950Xg
2502224009	No. 2 Fixed-Angle Rotor	12x5 ml	17000 rpm	23460Xg
2502224010	No. 3-1 Fixed-Angle Rotor	24x1.5/2.0 ml(with adapters for 0.2/0.5ml tube)	16000 rpm	24790Xg
2502224011	No. 3-2 Fixed-Angle Rotor	24x1.5/2.0 ml(with adapters for 0.2/0.5ml tube)(rotor with Aerosol-tight lid)	18000 rpm	31370Xg
2502224012	No. 4-1 Fixed-Angle Rotor	12x10 ml	15000 rpm	20800Xg

2502224013	No. 4-2 Fixed-Angle Rotor	36x1.5/2.0 ml (with adapters for 0.2/0.5ml tube)	15000 rpm	20800Xg
2502224014	No. 5-1 Fixed-Angle Rotor	6x50 ml (conical)	12500 rpm	17030Xg
2502224015	adapters		12500 rpm	17030Xg
2502224016	adapters		12500 rpm	17030Xg
2502224017	adapters		12500 rpm	17030Xg
2502224018	adapters		12500 rpm	17030Xg
2502224019	adapters		12500 rpm	17030Xg
2502224020	adapters		12500 rpm	17030Xg
2502224021	adapters		12500 rpm	17030Xg
2502224022	adapters		12500 rpm	17030Xg
2502224023	adapters		12500 rpm	17030Xg
2502224024	adapters		12500 rpm	17030Xg
2502224025	No. 5-2 Fixed-Angle Rotor	48x1.5/2.0 ml(with adapters for 0.2/0.5ml tube)	12500 rpm	17120Xg
2502224026	No. 5-3 Fixed-Angle Rotor	6x50 ml (round bottom)	12500 rpm	17030Xg
2502224027	adapters		12500 rpm	17030Xg
2502224028	adapters		12500 rpm	17030Xg
2502224029	adapters		12500 rpm	17030Xg
2502224030	adapters		12500 rpm	17030Xg
2502224031	adapters		12500 rpm	17030Xg
2502224032	adapters		12500 rpm	17030Xg
2502224033	adapters		12500 rpm	17030Xg
2502224034	adapters		12500 rpm	17030Xg
2502224035	adapters		12500 rpm	17030Xg
2502224036	No. 6-1 Fixed-Angle Rotor	4x100 ml	11000 rpm	13350Xg
2502224037	adapters		11000 rpm	13350Xg
2502224038	adapters		11000 rpm	13350Xg
2502224039	adapters		11000 rpm	13350Xg
2502224040	adapters		11000 rpm	13350Xg
2502224041	adapters		11000 rpm	13350Xg
2502224042	adapters		11000 rpm	13350Xg
2502224043	adapters		11000 rpm	13350Xg
2502224044	adapters		11000 rpm	13350Xg
2502224045	adapters		11000 rpm	13350Xg
2502224046	adapters		11000 rpm	13350Xg
2502224047	adapters		11000 rpm	13350Xg
2502224048	adapters		11000 rpm	13350Xg
2502224049	No. 6-2 Fixed-Angle Rotor	8x50 ml (conical)	11000 rpm	14030Xg
2502224050	adapters		11000 rpm	14030Xg
2502224051	adapters		11000 rpm	14030Xg
2502224052	adapters		11000 rpm	14030Xg
2502224053	adapters		11000 rpm	14030Xg
2502224054	adapters		11000 rpm	14030Xg
2502224055	adapters		11000 rpm	14030Xg
2502224056	adapters		11000 rpm	14030Xg
2502224057	adapters		11000 rpm	14030Xg
2502224058	adapters		11000 rpm	14030Xg
2502224059	adapters		11000 rpm	14030Xg
2502224060	No. 6-3 Fixed-Angle Rotor	12x15 ml	11000 rpm	13350Xg

2502224061	adapters		11000 rpm	13350Xg
2502224062	adapters		11000 rpm	13350Xg
2502224063	adapters		11000 rpm	13350Xg
2502224064	adapters		11000 rpm	13350Xg
2502224065	adapters		11000 rpm	13350Xg
2502224066	adapters		11000 rpm	13350Xg
2502224067	No. 6-4 Fixed-Angle Rotor	8x50 ml (round bottom)	11000 rpm	13350Xg
2502224068	adapters		11000 rpm	13350Xg
2502224069	adapters		11000 rpm	13350Xg
2502224070	adapters		11000 rpm	13350Xg
2502224071	adapters		11000 rpm	13350Xg
2502224072	adapters		11000 rpm	13350Xg
2502224073	adapters		11000 rpm	13350Xg
2502224074	adapters		11000 rpm	13350Xg
2502224075	adapters		11000 rpm	13350Xg
2502224076	adapters		11000 rpm	13350Xg
2502224077	No. 6-5 Fixed-Angle Rotor	24x10 ml	11000 rpm	13350Xg
2502224078	No. 7 Fixed-Angle Rotor	6x10 ml	16000 rpm	18980Xg
2502224079	No. 8-1 Fixed-Angle Rotor	8x15 ml	14000 rpm	17310Xg
2502224080	adapters		14000 rpm	17310Xg
2502224081	adapters		14000 rpm	17310Xg
2502224082	adapters		14000 rpm	17310Xg
2502224083	adapters		14000 rpm	17310Xg
2502224084	adapters		14000 rpm	17310Xg
2502224085	adapters		14000 rpm	17310Xg
2502224086	No. 8-2 Fixed-Angle Rotor	6x30 ml	14000 rpm	18450Xg
2502224087	adapters		14000 rpm	18450Xg
2502224088	adapters		14000 rpm	18450Xg
2502224089	adapters		14000 rpm	18450Xg
2502224090	No. 9 Fixed-Angle Rotor	4xPCR-Strips	13000 rpm	14640Xg
2502224091	No. 10 Fixed-Angle Rotor	6x100 ml	9000 rpm	9770Xg
2502224092	adapters		9000 rpm	9770Xg
2502224093	adapters		9000 rpm	9770Xg
2502224094	adapters		9000 rpm	9770Xg
2502224095	adapters		9000 rpm	9770Xg
2502224096	adapters		9000 rpm	9770Xg
2502224097	adapters		9000 rpm	9770Xg
2502224098	adapters		9000 rpm	9770Xg
2502224099	adapters		9000 rpm	9770Xg
2502224100	adapters		9000 rpm	9770Xg
2502224101	adapters		9000 rpm	9770Xg
2502224102	adapters		9000 rpm	9770Xg
2502224103	adapters		9000 rpm	9770Xg
2502224104	No. 11 Fixed-Angle Rotor	24x1.5/2.0 ml Cryo tube	15000 rpm	23400Xg

LTCEN22-18 BENCHTOP REFRIGERATED CENTRIFUGE

Full color touch screen interface with microprocessor control system. Store 1000 programs in centrifuge memory which are retained even after powering down the centrifuge. Speed and the centrifugal force can be step adjusted (10 RPM/10xg). High quality CFC-free compressor and maximum speed of 22000 rpm.



SPECIFICATIONS

Model	LTCEN22-18
Maximum Capacity (No of tubes x Vol.)	6x100 ml
Maximum Speed	22000 rpm with 12x1.5/2.0 ml
Speed Accuracy	±10rpm
Maximum RCF	33820Xg with 12x1.5/2.0 ml
Temp. Control Range	-20~40°C
Temperature Accuracy	±1°C
Time Range	Count up or down
Acceleration	40
Deceleration	40
Refrigeration System	CFC-Free
Control System	Microprocessor
Display	Full color touch screen interface
Rotor Identification	Auto-ID Instant, immediately upon rotor insertion
Drive System	Direct, induction motor drive (Inverter Control)
Programmability	Via easy access touch screen menu
Program Storage	1000 user-defined
Noise Level	≤57 dB (A)
Weight	60 kg
Overall Dimension	16.5x20.5x14.2 in / 42x52x36 mm
Max. Power Consumption	1200 KW
Power Supply	AC 200-240V,50/60Hz or AC 100-127V,50/60Hz

OPTIONAL ACCESSORIES

Accessory Code	Name	Rotor Capacity	Max Speed (rpm)	Max RCF(g)
2502225008	No. 1 Fixed-Angle Rotor	12x1.5/2.0 ml(with adapters for 0.2/0.5ml tube)	22000 rpm	33820Xg
2502225009	No. 2 Fixed-Angle Rotor	12x5 ml	17000 rpm	23430Xg
2502225010	No. 3-1 Fixed-Angle Rotor	24x1.5/2.0 ml(with adapters for 0.2/0.5ml tube)	16000 rpm	24790Xg
2502225011	No. 3-2 Fixed-Angle Rotor	24x1.5/2.0 ml(with adapters for 0.2/0.5ml tube)(rotor with Aerosol-tight lid)	18000 rpm	31370Xg
2502225012	No. 4-1 Fixed-Angle Rotor	12x10 ml	15000 rpm	20800Xg

2502225013	No. 4-2 Fixed-Angle Rotor	36x1.5/2.0 ml(with adapters for 0.2/0.5ml tube)	15000 rpm	21760Xg
2502225014	No. 5-1 Fixed-Angle Rotor	6x50 ml (conical)	13000 rpm	18420Xg
2502225015	adapters		13000 rpm	18420Xg
2502225016	adapters		13000 rpm	18420Xg
2502225017	adapters		13000 rpm	18420Xg
2502225018	adapters		13000 rpm	18420Xg
2502225019	adapters		13000 rpm	18420Xg
2502225020	adapters		13000 rpm	18420Xg
2502225021	adapters		13000 rpm	18420Xg
2502225022	adapters		13000 rpm	18420Xg
2502225023	adapters		13000 rpm	18420Xg
2502225024	adapters		13000 rpm	18420Xg
2502225025	No. 5-2 Fixed-Angle Rotor	48x1.5/2.0 ml(with adapters for 0.2/0.5ml tube)	13000 rpm	18520Xg
2502225026	No. 5-3 Fixed-Angle Rotor	6x50 ml (round bottom)	13000 rpm	18420Xg
2502225027	adapters		13000 rpm	18420Xg
2502225028	adapters		13000 rpm	18420Xg
2502225029	adapters		13000 rpm	18420Xg
2502225030	adapters		13000 rpm	18420Xg
2502225031	adapters		13000 rpm	18420Xg
2502225032	adapters		13000 rpm	18420Xg
2502225033	adapters		13000 rpm	18420Xg
2502225034	adapters		13000 rpm	18420Xg
2502225035	adapters		13000 rpm	18420Xg
2502225036	No. 6-1 Fixed-Angle Rotor	4x100 ml	11000 rpm	13350Xg
2502225037	adapters		11000 rpm	13350Xg
2502225038	adapters		11000 rpm	13350Xg
2502225039	adapters		11000 rpm	13350Xg
2502225040	adapters		11000 rpm	13350Xg
2502225041	adapters		11000 rpm	13350Xg
2502225042	adapters		11000 rpm	13350Xg
2502225043	adapters		11000 rpm	13350Xg
2502225044	adapters		11000 rpm	13350Xg
2502225045	adapters		11000 rpm	13350Xg
2502225046	adapters		11000 rpm	13350Xg
2502225047	adapters		11000 rpm	13350Xg
2502225048	adapters		11000 rpm	13350Xg
2502225049	No. 6-2 Fixed-Angle Rotor	8x50 ml (conical)	11000 rpm	14030Xg
2502225050	adapters		11000 rpm	14030Xg
2502225051	adapters		11000 rpm	14030Xg
2502225052	adapters		11000 rpm	14030Xg
2502225053	adapters		11000 rpm	14030Xg
2502225054	adapters		11000 rpm	14030Xg
2502225055	adapters		11000 rpm	14030Xg
2502225056	adapters		11000 rpm	14030Xg
2502225057	adapters		11000 rpm	14030Xg
2502225058	adapters		11000 rpm	14030Xg
2502225059	adapters		11000 rpm	14030Xg
2502225060	No. 6-3 Fixed-Angle Rotor	12x15 ml	12000 rpm	17240Xg

2502225061	adapters		12000 rpm	17240Xg
2502225062	adapters		12000 rpm	17240Xg
2502225063	adapters		12000 rpm	17240Xg
2502225064	adapters		12000 rpm	17240Xg
2502225065	adapters		12000 rpm	17240Xg
2502225066	adapters		12000 rpm	17240Xg
2502225067	No. 6-4 Fixed-Angle Rotor	8x50 ml (round bottom)	11000 rpm	13350Xg
2502225068	adapters		11000 rpm	13350Xg
2502225069	adapters		11000 rpm	13350Xg
2502225070	adapters		11000 rpm	13350Xg
2502225071	adapters		11000 rpm	13350Xg
2502225072	adapters		11000 rpm	13350Xg
2502225073	adapters		11000 rpm	13350Xg
2502225074	adapters		11000 rpm	13350Xg
2502225075	adapters		11000 rpm	13350Xg
2502225076	adapters		11000 rpm	13350Xg
2502225077	No. 6-5 Fixed-Angle Rotor	24x10 ml	11000 rpm	13350Xg
2502225078	No. 7 Fixed-Angle Rotor	6x10 ml	16000 rpm	18980Xg
2502225079	No. 8-1 Fixed-Angle Rotor	8x15 ml	14000 rpm	17310Xg
2502225080	adapters		14000 rpm	17310Xg
2502225081	adapters		14000 rpm	17310Xg
2502225082	adapters		14000 rpm	17310Xg
2502225083	adapters		14000 rpm	17310Xg
2502225084	adapters		14000 rpm	17310Xg
2502225085	adapters		14000 rpm	17310Xg
2502225086	No. 8-2 Fixed-Angle Rotor	6x30 ml	14000 rpm	18450Xg
2502225087	adapters		14000 rpm	18450Xg
2502225088	adapters		14000 rpm	18450Xg
2502225089	adapters		14000 rpm	18450Xg
2502225090	No. 9 Fixed-Angle Rotor	4xPCR-Strips	13000 rpm	14640Xg
2502225091	No. 10 Fixed-Angle Rotor	6x100 ml	10000 rpm	12060Xg
2502225092	adapters		10000 rpm	12060Xg
2502225093	adapters		10000 rpm	12060Xg
2502225094	adapters		10000 rpm	12060Xg
2502225095	adapters		10000 rpm	12060Xg
2502225096	adapters		10000 rpm	12060Xg
2502225097	adapters		10000 rpm	12060Xg
2502225098	adapters		10000 rpm	12060Xg
2502225099	adapters		10000 rpm	12060Xg
2502225100	adapters		10000 rpm	12060Xg
2502225101	adapters		10000 rpm	12060Xg
2502225102	adapters		10000 rpm	12060Xg
2502225103	adapters		10000 rpm	12060Xg
2502225104	No. 11 Fixed-Angle Rotor	24x1.5/2.0 ml Cryo tube	15000 rpm	23400g

LTCEN22-19 BENCHTOP REFRIGERATED CENTRIFUGE

Full color touch screen interface with microprocessor control system. Store 1000 programs in centrifuge memory which are retained even after powering down the centrifuge. Speed and the centrifugal force can be step adjusted (10 RPM/10xg). High quality CFC-free compressor and maximum speed of 21000 rpm.



SPECIFICATIONS

Model	LTCEN22-19
Maximum Capacity (No of tubes x Vol.)	6x100 ml , 4x750 ml
Maximum Speed	4500 rpm with 4x250 ml rotor , 21000 rpm with 12x1.5/2.0 ml
Speed Accuracy	±10rpm
Maximum RCF	3720Xg with 4x250 ml rotor , 31370 Xg with 24x1.5/2.0 ml
Temp. Control Range	-20~40°C
Temperature Accuracy	±1°C
Time Range	Count up or down
Acceleration	40
Deceleration	40
Refrigeration System	CFC-Free
Control System	Microprocessor
Display	Full color touch screen interface
Rotor Identification	Auto-ID Instant,immediately upon rotor insertion
Drive System	Direct,induction motor drive (Inverter Control)
Programmability	Via easy access touch screen menu
Program Storage	1000 user-defined
Noise Level	≤56 dB (A)
Weight	106 kg
Overall Dimension	26.8x23.6x16.5 in / 68x60x42 mm
Max. Power Consumption	1500 KW
Power Supply	AC 200-240V,50/60Hz or AC 100-127V,50/60Hz

OPTIONAL ACCESSORIES

Accessory Code	Name	Rotor Capacity	Max Speed (rpm)	Max RCF(g)
2502226008	No. 1 Fixed-Angle Rotor	12x1.5/2.0 ml(with adapters for 0.2/0.5ml tube)	21000 rpm	30810g
2502226009	No. 2 Fixed-Angle Rotor	12x5 ml	17000 rpm	23460g
2502226010	No. 3.1 Fixed-Angle Rotor	24x1.5/2.0 ml(with adapters for 0.2/0.5ml tube)	16500 rpm	26360g

2502226011	No. 3.2 Fixed-Angle Rotor	24x1.5/2.0 ml(with adapters for 0.2/0.5ml tube)(rotor with Aerosol-tight lid)	18000 rpm	31370g
2502226012	No. 4.1 Fixed-Angle Rotor	12x10 ml	15000 rpm	20800g
2502226013	No. 4.2 Fixed-Angle Rotor	36x1.5/2.0 ml(with adapters for 0.2/0.5ml tube)	15000 rpm	21760g
2502226014	No. 5.1 Fixed-Angle Rotor	6x50 ml (conical)	13000 rpm	18420g
2502226015	adapters		13000 rpm	18420g
2502226016	adapters		13000 rpm	18420g
2502226017	adapters		13000 rpm	18420g
2502226018	adapters		13000 rpm	18420g
2502226019	adapters		13000 rpm	18420g
2502226020	adapters		13000 rpm	18420g
2502226021	adapters		13000 rpm	18420g
2502226022	adapters		13000 rpm	18420g
2502226023	adapters		13000 rpm	18420g
2502226024	adapters		13000 rpm	18420g
2502226025	No. 5.2 Fixed-Angle Rotor	48x1.5/2.0 ml(with adapters for 0.2/0.5ml tube)	13000 rpm	18515g
2502226026	No. 5.3 Fixed-Angle Rotor	6x50 ml (round bottom)	13000 rpm	18420g
2502226027	adapters		13000 rpm	18420g
2502226028	adapters		13000 rpm	18420g
2502226029	adapters		13000 rpm	18420g
2502226030	adapters		13000 rpm	18420g
2502226031	adapters		13000 rpm	18420g
2502226032	adapters		13000 rpm	18420g
2502226033	adapters		13000 rpm	18420g
2502226034	adapters		13000 rpm	18420g
2502226035	adapters		13000 rpm	18420g
2502226036	No. 6.1 Fixed-Angle Rotor	4x100 ml	11000 rpm	13350g
2502226037	adapters		11000 rpm	13350g
2502226038	adapters		11000 rpm	13350g
2502226039	adapters		11000 rpm	13350g
2502226040	adapters		11000 rpm	13350g
2502226041	adapters		11000 rpm	13350g
2502226042	adapters		11000 rpm	13350g
2502226043	adapters		11000 rpm	13350g
2502226044	adapters		11000 rpm	13350g
2502226045	adapters		11000 rpm	13350g
2502226046	adapters		11000 rpm	13350g
2502226047	adapters		11000 rpm	13350g
2502226048	adapters		11000 rpm	13350g
2502226049	No. 6.2 Fixed-Angle Rotor	8x50 ml (conical)	11000 rpm	13350g
2502226050	adapters		11000 rpm	13350g
2502226051	adapters		11000 rpm	13350g
2502226052	adapters		11000 rpm	13350g
2502226053	adapters		11000 rpm	13350g
2502226054	adapters		11000 rpm	13350g
2502226055	adapters		11000 rpm	13350g

2502226056	adapters		11000 rpm	13350g
2502226057	adapters		11000 rpm	13350g
2502226058	adapters		11000 rpm	13350g
2502226059	adapters		11000 rpm	13350g
2502226060	No. 6.3 Fixed-Angle Rotor	12x15 ml	12500 rpm	17240g
2502226061	adapters		12500 rpm	17240g
2502226062	adapters		12500 rpm	17240g
2502226063	adapters		12500 rpm	17240g
2502226064	adapters		12500 rpm	17240g
2502226065	adapters		12500 rpm	17240g
2502226066	adapters		12500 rpm	17240g
2502226067	No. 6.4 Fixed-Angle Rotor	8x50 ml (round bottom)	11000 rpm	14030g
2502226068	adapters		11000 rpm	14030g
2502226069	adapters		11000 rpm	14030g
2502226070	adapters		11000 rpm	14030g
2502226071	adapters		11000 rpm	14030g
2502226072	adapters		11000 rpm	14030g
2502226073	adapters		11000 rpm	14030g
2502226074	adapters		11000 rpm	14030g
2502226075	adapters		11000 rpm	14030g
2502226076	adapters		11000 rpm	14030g
2502226077	No. 6.5 Fixed-Angle Rotor	24x10 ml	11000 rpm	13350g
2502226078	No. 7 Swing-Bucket Rotor	2x3 pcs microplates (96 wells) or 2x3 pcs microtiter plates or 2x2 pcs cell culture plates or 2x1 pc deep well plates	4000 rpm	1970g
2502226079	No. 8 Swing-Bucket Rotor Rotor Cross		4500 rpm	3720g
2502226080	250ml Round Buckets	4x250 ml	4500 rpm	3720g
2502226081	adapters	4x100 ml	4500 rpm	3720g
2502226082	adapters	4x50 ml	4500 rpm	3720g
2502226083	adapters	8x50 ml (conical)	4500 rpm	3720g
2502226084	adapters	8x50 ml (round bottom)	4500 rpm	3720g
2502226085	adapters	8x30 ml	4500 rpm	3720g
2502226086	adapters	20x15 ml	4500 rpm	3720g
2502226087	adapters	36x10 ml	4500 rpm	3720g
2502226088	adapters	20x5 ml (conical)	4500 rpm	3720g
2502226089	adapters	32x1.5/2.0 ml	4500 rpm	3720g
2502226090	adapters	32x2.0 ml	4500 rpm	3720g
2502226091	adapters	40x0.5 ml	4500 rpm	3720g
2502226092	adapters	20x10 ml virus sampling tube	4500 rpm	3720g
2502226093	adapters	28x4-10 ml blood collection / urine tube	4500 rpm	3720g
2502226094	adapters	40x1.6-7 ml blood collection / urine tube	4500 rpm	3720g
2502226095	Conical Buckets	4x175/225 ml Falcon conical bottle	4500 rpm	3720g
2502226096	Buckets	48x1.6-7 ml blood collection / urine tube	4000 rpm	3100g
2502226097	Buckets	64x1.6-7 ml blood collection / urine tube	4000 rpm	3100g
2502226098	No. 9-1 Swing-Bucket Rotor Rotor Cross		4200 rpm	3550g
2502226099	500ml Round Buckets	4x500 ml	4200 rpm	3550g
2502226100	Aerosol-tight lids for 500ml Round Buckets		4200 rpm	3550g

2502226101	adapters	4x250 ml	4200 rpm	3550g
2502226102	adapters	4x175/225 ml Falcon conical bottle	4200 rpm	3550g
2502226103	adapters	4x100 ml	4200 rpm	3550g
2502226104	adapters	16x50 ml (conical)	4200 rpm	3550g
2502226105	adapters	16x50 ml (round bottom)	4200 rpm	3550g
2502226106	adapters	16x30 ml	4200 rpm	3550g
2502226107	adapters	36x15 ml	4200 rpm	3550g
2502226108	adapters	56x10 ml	4200 rpm	3550g
2502226109	adapters	36x5 ml (conical)	4200 rpm	3550g
2502226110	adapters	80x1.5/2.0 ml	4200 rpm	3550g
2502226111	adapters	60x2.0 ml	4200 rpm	3550g
2502226112	adapters	80x0.5 ml	4200 rpm	3550g
2502226113	adapters	36x10 ml virus sampling tube	4200 rpm	3550g
2502226114	adapters	56x4-10 ml blood collection / urine tube	4200 rpm	3550g
2502226115	adapters	72x1.6-7 ml blood collection / urine tube	4200 rpm	3550g
2502226116	Rectangular Buckets		4200 rpm	3550g
2502226117	adapters	20x50 ml (conical)	4200 rpm	3550g
2502226118	adapters	20x50 ml (round bottom)	4200 rpm	3550g
2502226119	adapters	20x30 ml	4200 rpm	3550g
2502226120	adapters	40x15 ml	4200 rpm	3550g
2502226121	adapters	40x5 ml (conical)	4200 rpm	3550g
2502226122	adapters	100x1.5/2.0 ml	4200 rpm	3550g
2502226123	adapters	100x2.0 ml	4200 rpm	3550g
2502226124	adapters	80x4-10 ml blood collection / urine tube	4200 rpm	3550g
2502226125	adapters	112x1.6-7 ml blood collection / urine tube	4200 rpm	3550g
2502226126	Round Buckets	148x5 ml Radio-immunity tube	4200 rpm	3550g
2502226127	Round Buckets	96x1.6-7 ml blood collection / urine tube	4200 rpm	3550g
2502226128	Plate Buckets	4x2 pcs microplates (96 wells) or 4x2 pcs microtiter plates or 4x2 pcs cell culture plates or 4x1 pc deep well plates	4200 rpm	3550g
2502226129	No. 9-2 Swing-Bucket Rotor	4x250 ml Corning conical bottle or 4x200 ml Nunc bottle	4200 rpm	3550g
2502226130	No. 10-1 Swing-Bucket Rotor	4x750 ml	4000 rpm	3500g
2502226131	adapters	4x500 ml	4000 rpm	3500g
2502226132	adapters	4x250 ml	4000 rpm	3500g
2502226133	adapters	4x175/225 ml Falcon conical bottle	4000 rpm	3500g
2502226134	adapters	12x100 ml	4000 rpm	3500g
2502226135	adapters	20x50 ml (conical)	4000 rpm	3500g
2502226136	adapters	20x50 ml (round bottom)	4000 rpm	3500g
2502226137	adapters	20x30 ml	4000 rpm	3500g
2502226138	adapters	56x15 ml	4000 rpm	3500g
2502226139	adapters	72x10 ml	4000 rpm	3500g
2502226140	adapters	56x5 ml (conical)	4000 rpm	3500g
2502226141	adapters	88x1.5/2.0 ml	4000 rpm	3500g
2502226142	adapters	88x2.0 ml	4000 rpm	3500g
2502226143	adapters	96x0.5 ml	4000 rpm	3500g
2502226144	adapters	76x4-10 ml blood collection / urine tube	4000 rpm	3500g
2502226145	adapters	96x1.6-7 ml blood collection / urine tube	4000 rpm	3500g

2502226146	adapters	148x5 ml Radio-immunity tube	4000 rpm	3500g
2502226147	adapters	4x30/50 ml Falcon Cell Culture Flasks or 4x30/50 ml Corning Cell Culture Flasks	4000 rpm	3500g
2502226148	adapters	4x40 ml Nunc Cell Culture Flasks	4000 rpm	3500g
2502226149	adapters	4x160 ml Nunc Cell Culture Flasks	4000 rpm	3500g
2502226150	adapters	4x200 ml Falcon Cell Culture Flasks or 4x200 ml Greiner Cell Culture Flasks or 4x200 ml Nunc Cell Culture Flasks	4000 rpm	3500g
2502226151	No. 10-2 Swing-Bucket Rotor	4x500 ml Corning conical bottle	4000 rpm	3500g
2502226152	No. 11 Fixed-Angle Rotor	6x100 ml	10000 rpm	12060g
2502226153	adapters		10000 rpm	12060g
2502226154	adapters		10000 rpm	12060g
2502226155	adapters		10000 rpm	12060g
2502226156	adapters		10000 rpm	12060g
2502226157	adapters		10000 rpm	12060g
2502226158	adapters		10000 rpm	12060g
2502226159	adapters		10000 rpm	12060g
2502226160	adapters		10000 rpm	12060g
2502226161	adapters		10000 rpm	12060g
2502226162	adapters		10000 rpm	12060g
2502226163	adapters		10000 rpm	12060g
2502226164	adapters		10000 rpm	12060g
2502226165	No. 12 Fixed-Angle Rotor	8x15 ml	14500 rpm	18570g
2502226166	adapters		14500 rpm	18570g
2502226167	adapters		14500 rpm	18570g
2502226168	adapters		14500 rpm	18570g
2502226169	adapters		14500 rpm	18570g
2502226170	adapters		14500 rpm	18570g
2502226171	adapters		14500 rpm	18570g
2502226172	No. 13 Fixed-Angle Rotor	12x50 ml (conical)	10000 rpm	14310g
2502226173	adapters		10000 rpm	14310g
2502226174	adapters		10000 rpm	14310g
2502226175	adapters		10000 rpm	14310g
2502226176	adapters		10000 rpm	14310g
2502226177	adapters		10000 rpm	14310g
2502226178	adapters		10000 rpm	14310g
2502226179	adapters		10000 rpm	14310g
2502226180	adapters		10000 rpm	14310g
2502226181	adapters		10000 rpm	14310g
2502226182	adapters		10000 rpm	14310g

LTCEN22-20 BENCHTOP REFRIGERATED CENTRIFUGE

Microprocessor controlled programmable operation with full color touch screen interface. Store 1000 programs in centrifuge memory.



SPECIFICATIONS

Model	LTCEN22-20
Maximum Capacity (No of tubes x Vol.)	4x750 ml (4 000 rpm)
Maximum Speed	5000 rpm with 4x250 ml rotor / 4x50 ml rotor / 4x100 ml rotor
Speed Accuracy	±10rpm
Maximum RCF	5200xg with 4x250 ml rotor
Temp. Control Range	-20~40°C
Temperature Accuracy	±1°C
Time Range	Count up or down
Acceleration	40
Deceleration	40
Refrigeration System	CFC-Free
Control System	Microprocessor
Display	Full color touch screen interface
Drive System	Direct, induction motor drive (Inverter Control)
Programmability	Via easy access touch screen menu
Program Storage	1000 user-defined
Noise Level	≤56 dB (A)
Weight	106 kg
Overall Dimension	26.8x23.6x16.5 in / 68x60x42 mm
Power	1500 KW
Power Supply	AC 200-240V,50/60Hz or AC 100-127V,50/60Hz

OPTIONAL ACCESSORIES

Accessory Code	Name	Max Speed (rpm)	Max RCF(g)	Rotor Capacity	Rotar Capacity
2502227008	No. 1 Swing-out Rotor Rotor Cross	5000 rpm	4650g		
2502227009	Tube Racks	5000 rpm	4650g	4x50 ml	
2502227010	Tube Racks	5000 rpm	4650g	4x100 ml	
2502227011	No. 2 Swing-out Rotor Rotor Cross	4000 rpm	2980g		

2502227012	Tube Racks	4000 rpm	2980g		8x50 ml
2502227013	Tube Racks	4000 rpm	2980g		8x100 ml
2502227014	Tube Racks	4000 rpm	2980g		24x10 ml
2502227015	Tube Racks	4000 rpm	2980g		24x15 ml
2502227016	adapters	4000 rpm	2980g		
2502227017	adapters	4000 rpm	2980g		
2502227018	adapters	4000 rpm	2980g		
2502227019	adapters	4000 rpm	2980g		
2502227020	adapters	4000 rpm	2980g		
2502227021	adapters	4000 rpm	2980g		
2502227022	Tube Racks	4000 rpm	2980g		32x10 ml
2502227023	Tube Racks	4000 rpm	2980g		32x15 ml
2502227024	adapters	4000 rpm	2980g		
2502227025	adapters	4000 rpm	2980g		
2502227026	adapters	4000 rpm	2980g		
2502227027	adapters	4000 rpm	2980g		
2502227028	adapters	4000 rpm	2980g		
2502227029	adapters	4000 rpm	2980g		
2502227030	No. 2-2 Swing-Bucket Rotor	4000 rpm	2980g		4x175/225 ml Falcon conical bottle
2502227031	No. 2-3 Swing-Bucket Rotor	4000 rpm	3100g		36x4-10 ml blood collection / urine tube
2502227032	No. 2-4 Swing-Bucket Rotor	4000 rpm	3100g		48x1.6-7 ml blood collection / urine tube
2502227033	No. 2-5 Swing-Bucket Rotor	4000 rpm	3100g		64x1.6-7 ml blood collection / urine tube
2502227034	No. 3 Swing-Bucket Rotor Rotor Cross (with a wind shield)	5000 rpm	5200g		
2502227035	250ml Round Buckets	5000 rpm	5200g		4x250 ml
2502227036	adapters	5000 rpm	5200g		4x100 ml
2502227037	adapters	5000 rpm	5200g		4x50 ml
2502227038	adapters	5000 rpm	5200g		8x50 ml conical
2502227039	adapters	5000 rpm	5200g		8x50 ml round bottom
2502227040	adapters	5000 rpm	5200g		8x30 ml
2502227041	adapters	5000 rpm	5200g		20x15 ml
2502227042	adapters	5000 rpm	5200g		36x10 ml
2502227043	adapters	5000 rpm	5200g		20x5 ml conical
2502227044	adapters	5000 rpm	5200g		32x1.5/2.0 ml
2502227045	adapters	5000 rpm	5200g		32x2.0 ml
2502227046	adapters	5000 rpm	5200g		40x0.5 ml
2502227047	adapters	5000 rpm	5200g		20x10 ml virus sampling tube
2502227048	adapters	5000 rpm	5200g		24x4-10 ml blood collection / urine tube
2502227049	adapters	5000 rpm	5200g		40x1.6-7 ml blood collection / urine tube
2502227050	Tube Racks	5000 rpm	5200g		32x15 ml
2502227051	No. 4 Swing-Bucket Rotor	4000 rpm	1970g		2x3 pcs microplates (96 wells) or 2x3 pcs microtiter plates or 2x2 pcs cell culture plates or 2x1 pc deep well plates

2502227052	No. 5-1 Swing-Bucket Rotor Rotor Cross	4200 rpm	3550g		
2502227053	500ml Round Buckets	4200 rpm	3550g		4x500 ml
2502227054	Aerosol-tight lids for 500ml Round Buckets	4200 rpm	3550g		
2502227055	adapters	4200 rpm	3550g		4x250 ml
2502227056	adapters	4200 rpm	3550g		4x100 ml
2502227057	adapters	4200 rpm	3550g		16x50 ml conical
2502227058	adapters	4200 rpm	3550g		16x50 ml round bottom
2502227059	adapters	4200 rpm	3550g		16x30 ml
2502227060	adapters	4200 rpm	3550g		36x15 ml
2502227061	adapters	4200 rpm	3550g		56x10 ml
2502227062	adapters	4200 rpm	3550g		36x5 ml conical
2502227063	adapters	4200 rpm	3550g		80x1.5/2.0 ml
2502227064	adapters	4200 rpm	3550g		60x2.0 ml
2502227065	adapters	4200 rpm	3550g		80x0.5 ml
2502227066	adapters	4200 rpm	3550g		36x10 ml virus sampling tube
2502227067	adapters	4200 rpm	3550g		56x4-10 ml blood collection / urine tube
2502227068	adapters	4200 rpm	3550g		72x1.6-7 ml blood collection / urine tube
2502227069	adapters	4200 rpm	3550g		4x175/225 ml Falcon conical bottle
2502227070	Rectangular Buckets	4200 rpm	3550g		
2502227071	20x50 ml conical	4200 rpm	3550g		20x50 ml conical
2502227072	20x50 ml conical	4200 rpm	3550g		20x50 ml round bottom
2502227073	20x50 ml conical	4200 rpm	3550g		20x30 ml
2502227074	20x50 ml conical	4200 rpm	3550g		40x15 ml
2502227075	20x50 ml conical	4200 rpm	3550g		40x5 ml conical
2502227076	20x50 ml conical	4200 rpm	3550g		100x1.5/2.0 ml
2502227077	20x50 ml conical	4200 rpm	3550g		100x2.0 ml
2502227078	20x50 ml conical	4200 rpm	3550g		48x10 ml virus sampling tube
2502227079	20x50 ml conical	4200 rpm	3550g		80x4-10 ml blood collection / urine tube
2502227080	20x50 ml conical	4200 rpm	3550g		112x1.6-7 ml blood collection / urine tube
2502227081	Round Buckets	4200 rpm	3550g		148x5 ml Radio-immunity tube
2502227082	Round Buckets	4200 rpm	3550g		96x1.6-7 ml blood collection / urine tube
2502227083	Plate Buckets	4200 rpm	3550g		4x2 pcs microplates (96 wells) or 4x2 pcs microtiter plates or 4x2 pcs cell culture plates or 4x1 pc deep well plates
2502227084	No. 5-2 Swing-Bucket Rotor	4000 rpm	3400g		4x250 ml Corning conical bottle or 4x200 ml Nunc bottle
2502227085	No. 6-1 Swing-Bucket Rotor	4000 rpm	3500g		4x750 ml
2502227086	adapters	4000 rpm	3500g		4x500 ml
2502227087	adapters	4000 rpm	3500g		4x250 ml
2502227088	adapters	4000 rpm	3500g		12x100 ml
2502227089	adapters	4000 rpm	3500g		20x50 ml (conical)
2502227090	adapters	4000 rpm	3500g		20x50 ml (round bottom)

2502227091	adapters	4000 rpm	3500g		20x30 ml
2502227092	adapters	4000 rpm	3500g		56x15 ml
2502227093	adapters	4000 rpm	3500g		72x10 ml
2502227094	adapters	4000 rpm	3500g		56x5 ml (conical)
2502227095	adapters	4000 rpm	3500g		96x1.5/2.0 ml
2502227096	adapters	4000 rpm	3500g		88x2.0 ml
2502227097	adapters	4000 rpm	3500g		96x0.5 ml
2502227098	adapters	4000 rpm	3500g		76x4-10 ml blood collection / urine tube
2502227099	adapters	4000 rpm	3500g		96x1.6-7 ml blood collection / urine tube
2502227100	adapters	4000 rpm	3500g		148x5 ml Radio-immunity tube
2502227101	adapters	4000 rpm	3500g		4x175/225 ml Falcon conical bottle
2502227102	adapters	4000 rpm	3500g		4x30/50 ml Falcon Cell Culture Flasks or 4x30/50 ml Corning Cell Culture Flasks
2502227103	adapters	4000 rpm	3500g		4x40 ml Nunc Cell Culture Flasks
2502227104	adapters	4000 rpm	3500g		4x160 ml Nunc Cell Culture Flasks
2502227105	adapters	4000 rpm	3500g		4x200 ml Falcon Cell Culture Flasks or 4x200 ml Greiner Cell Culture Flasks or 4x200 ml Nunc Cell Culture Flasks
2502227107	No. 6-2 Swing-Bucket Rotor	4000 rpm	3500g		4x500 ml Corning conical bottle
2502227108	No. 7 Swing-Bucket Rotor	4000 rpm	3580g		6x250 ml
2502227109	adapters	4000 rpm	3580g		6x100 ml
2502227110	adapters	4000 rpm	3580g		6x50 ml
2502227111	adapters	4000 rpm	3580g		12x50 ml conical
2502227112	adapters	4000 rpm	3580g		12x50 ml round bottom
2502227113	adapters	4000 rpm	3580g		12x30 ml
2502227114	adapters	4000 rpm	3580g		30x15 ml
2502227115	adapters	4000 rpm	3580g		54x10 ml
2502227116	adapters	4000 rpm	3580g		30x5 ml conical
2502227117	adapters	4000 rpm	3580g		48x1.5/2.0 ml
2502227119	adapters	4000 rpm	3580g		48x2.0 ml
2502227120	adapters	4000 rpm	3580g		60x0.5 ml
2502227121	adapters	4000 rpm	3580g		30x10 ml virus sampling tube
2502227122	adapters	4000 rpm	3580g		42x4-10 ml blood collection / urine tube
2502227133	adapters	4000 rpm	3580g		60x1.6-7 ml blood collection / urine tube

LTCEN22-25 FLOOR MODEL REFRIGERATED CENTRIFUGE

12 places rotor for core analysis experiments (Equipped with special separation steel ball.)



SPECIFICATIONS

Model	LTCEN22-25
Maximum Capacity when use for Core Analysis Experiments	12 places rotor for core analysis experiments (Equipped with special separation steel ball.)
Maximum Speed	18500 rpm, can separate water from 10.74 nm micropores.
Speed Accuracy	±10rpm
Maximum RCF	42000xg
Maximum Capillary Pressure	13.4 Mpa
Temperature Range	-20~40°C increments
Temperature Accuracy	±1°C
Time Range	1 min-99 h:59 min,Pulse
Acceleration	40
Deceleration	40
Refrigeration System	CFC-Free
Control System	Microprocessor
Rotor Identification	Auto-ID Instant, automatic
Rotor Locking System	Auto-Lock
Drive System	Direct, high-performance induction motor driving (Inverter Control)
Program	12 user-defined
Safety Device	Overspeed protection, imbalance protection, overcurrent protection, lid interlock system, lid open / close detection, steel housing, corrosion - resistant stainless steel centrifuge chamber, additional inner steel armored guarding, steel lid, etc.
Noise Level	≤65 dB (A)
Weight	280 kg
Overall Dimension	28.7x33.5x36.6 in / 73x85x93 mm
Max. Power Consumption	5000 KW
Power Supply	AC 200-240V,50Hz or AC 200-240V,60Hz

OPTIONAL ACCESSORIES

Accessory Code	Name	Rotar Capacity	Max Speed (rpm)	Max RCF(g)
2502232008	No. 1 Fixed-Angle Rotor	12 places rotor for core analysis experiments(Equipped with special separation steel ball.)	18500 rpm	42000g
2502232009	No. 2 Fixed-Angle Rotor	4x1000 ml	8000 rpm	12040g

2502232010	adapters		8000 rpm	12040g
2502232011	adapters		8000 rpm	12040g
2502232012	adapters		8000 rpm	12040g
2502232013	adapters		8000 rpm	12040g
2502232014	adapters		8000 rpm	12040g
2502232015	adapters		8000 rpm	12040g
2502232016	adapters		8000 rpm	12040g
2502232017	adapters		8000 rpm	12040g
2502232018	adapters		8000 rpm	12040g
2502232019	adapters		8000 rpm	12040g
2502232020	adapters		8000 rpm	12040g
2502232021	adapters		8000 rpm	12040g
2502232022	adapters		8000 rpm	12040g
2502232023	adapters		8000 rpm	12040g

LTCEN19-1 BENCHTOP REFRIGERATED CENTRIFUGE

LCD screen displays timing and speed, convenient to set and read

Three patterns: Short mix, timing set:30 to 59s, continuous running. More efficient

Sound alerts after the rotor stops . LCD displays process

Adjustable speed from 300 to 4500rpm, relative centrifugal force to 2490xg. High accuracy of speed and time, excellent performance

Different types of rotors for optional. Large capacity rotor for multiple options. More samples dealt at one time with high efficiency

Applied with high-performance CPU control mode, high speed accuracy and excellent performance

High safety, low noise. High strength plastic rotor and excellent balance technology for quiet and stable operation

Double safety protective cover. Electronic lock is for safer and more reliable rotor operation

DC brushless motor drives quickly and effortlessly accelerates the rotor to set speed, maintenance-free

Timing starts after reaching the setting speed, make sure centrifugal time accurate.

Reasonable curve brake makes better centrifugal effect



SPECIFICATIONS

Model	LTCEN19-1
Maximum Capacity (No of tubes x Vol.)	7 ml / 5 mlx16 or 10 ml / 15 ml x12 or 50 mlx6
Speed Range	300~4500 rpm (increment: 100 rpm)
Speed Accuracy	±20 rpm
Maximum RCF	2490xg (increment: 100xg)
Time Range	1 s~99 m 59s or continuous
Acceleration/ Deceleration	50s↑ 20s↓
Noise Level	≤56 dB
Voltage	AC 100~240 V, 50/60 Hz
Power	120 W
Overall Dimension	W.300 x D.431 x H.178 mm
Net. Weight	17.0 kg

OPTIONAL ACCESSORIES

Accessory Code	Name	Description
2501908008	Rotor A	7 ml/5 ml tubex16
2501908009	Rotor B	15ml / 10ml tubex12
2501908010	Rotor C	50ml tubex6

LTCEN16-6 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	LTCEN16-6
Maximum Capacity (No of tubes x Vol.)	24 gel card
Maximum Speed	3840 rpm
Maximum RCF	1790xg
Drive System	Direct, induction motor drive
Overall Dimension	14.8x14.2x11.8 in / 37.5x36x30 mm
Noise Level	≤ 60 dB(A)
Weight (Net/Gross)	21 kg
Max. Power Consumption	100 W
Power Supply	AC 200-240 V, 50/60 Hz or AC 100-127 V, 50/60 Hz

OPTIONAL ACCESSORIES

Accessory Code	Name	Rotor Capacity
2501613008	No. 1 Swing-out Rotor	12 gel cards
2501613009	No. 2 Swing-out Rotor	24 gel cards

LTCEN22-8 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	LTCEN22-8
Maximum Capacity (No of tubes x Vol.)	4x750 ml , 6 x 50 ml
Temperature Range	-20°C to 40°C
Temperature Accuracy	± 1°C
Maximum Speed	6000 rpm rpm with 6x50 ml / 12x15 ml , 5000 rpm with 4x250 ml rotor / 4x50 ml rotor / 4x100 ml rotor
Speed Accuracy	± 10 rpm
Maximum RCF	5120xg with 6x50 ml / 12x15 ml , 5200 Xg with 4x250 ml rotor
Time Range	Count up or down
Acceleration Rate	40
Deceleration Rate	40
Refrigeration System	CFC-Free
Control System	Microprocessor
Display	Full color touchscreen interface
Programmability	via easy access touchscreen menu
Drive System	Direct, induction motor drive (Inverter Control)
Overall Dimension	26.8x23.6x16.5 in / 68x60x42 mm
Program Storage	1000 user-defined
Noise Level	≤ 56 dB(A)
Weight (Net/Gross)	106 kg
Max. Power Consumption	1500 W
Power Supply	AC 200-240V, 50/60Hz or AC 100-127V, 50/60Hz

OPTIONAL ACCESSORIES

Accessory Code	Name	Max Speed (rpm)	Max RCF(g)	Rotor Capacity
2502215008	No. 1 Swing-out Rotor Rotor Cross	5000 rpm	4650g	
2502215009	Tube Racks	5000 rpm	4650g	4x50 ml
2502215010	Tube Racks	5000 rpm	4650g	4x100 ml
2502215011	No. 2 Swing-out Rotor Rotor Cross	4000 rpm	2980g	4x100 ml
2502215012	Tube Racks	4000 rpm	2980g	8x50 ml

2502215013	Tube Racks	4000 rpm	2980g	8x100 ml
2502215014	Tube Racks	4000 rpm	2980g	24x10 ml
2502215015	Tube Racks	4000 rpm	2980g	24x15 ml
2502215016	adapters	4000 rpm	2980g	
2502215017	adapters	4000 rpm	2980g	
2502215018	adapters	4000 rpm	2980g	
2502215019	adapters	4000 rpm	2980g	
2502215020	adapters	4000 rpm	2980g	
2502215021	adapters	4000 rpm	2980g	
2502215022	Tube Racks	4000 rpm	2980g	32x10 ml
2502215023	Tube Racks	4000 rpm	2980g	32x15 ml
2502215024	adapters	4000 rpm	2980g	
2502215025	adapters	4000 rpm	2980g	
2502215026	adapters	4000 rpm	2980g	
2502215027	adapters	4000 rpm	2980g	
2502215028	adapters	4000 rpm	2980g	
2502215029	adapters	4000 rpm	2980g	
2502215030	No. 2-2 Swing-Bucket Rotor	4000 rpm	2980g	4x175/225 ml Falcon conical bottle
2502215031	No. 2-3 Swing-Bucket Rotor	4000 rpm	3100g	36x4-10 ml blood collection / urine tube
2502215032	No. 2-4 Swing-Bucket Rotor	4000 rpm	3100g	48x1.6-7 ml blood collection / urine tube
2502215033	No. 2-5 Swing-Bucket Rotor	4000 rpm	3100g	64x1.6-7 ml blood collection / urine tube
2502215034	No. 3 Swing-Bucket Rotor Rotor Cross (with a wind shield)	5000 rpm	5200g	
2502215035	250ml Round Buckets	5000 rpm	5200g	4x250 ml
2502215036	adapters	5000 rpm	5200g	4x100 ml
2502215037	adapters	5000 rpm	5200g	4x50 ml
2502215038	adapters	5000 rpm	5200g	8x50 ml conical
2502215039	adapters	5000 rpm	5200g	8x50 ml round bottom
2502215040	adapters	5000 rpm	5200g	8x30 ml
2502215041	adapters	5000 rpm	5200g	20x15 ml
2502215042	adapters	5000 rpm	5200g	36x10 ml
2502215043	adapters	5000 rpm	5200g	20x5 ml conical
2502215044	adapters	5000 rpm	5200g	32x1.5/2.0 ml
2502215045	adapters	5000 rpm	5200g	32x2.0 ml
2502215046	adapters	5000 rpm	5200g	40x0.5 ml
2502215047	adapters	5000 rpm	5200g	20x10 ml virus sampling tube
2502215048	adapters	5000 rpm	5200g	28x4-10 ml blood collection / urine tube
2502215049	adapters	5000 rpm	5200g	40x1.6-7 ml blood collection / urine tube
18715787250	Tube Racks	5000 rpm	5200g	32x15 ml
18715787251	No. 4 Swing-Bucket Rotor	4000 rpm	1970g	2x3 pcs microplates (96 wells) or 2x3 pcs microtiter plates or 2x2 pcs cell culture plates or 2x1 pc deep well plates
18715787252	No. 5-1 Swing-Bucket Rotor Rotor Cross	4200 rpm	3550g	
18715787253	500ml Round Buckets	4200 rpm	3550g	4x500 ml
18715787254	Aerosol-tight lids for 500ml Round Buckets	4200 rpm	3550g	
18715787255	adapters	4200 rpm	3550g	4x250 ml
18715787256	adapters	4200 rpm	3550g	4x100 ml

18715787257	adapters	4200 rpm	3550g	16x50 ml conical
18715787258	adapters	4200 rpm	3550g	16x50 ml round bottom
18715787259	adapters	4200 rpm	3550g	16x30 ml
18715787260	adapters	4200 rpm	3550g	36x15 ml
18715787261	adapters	4200 rpm	3550g	56x10 ml
18715787262	adapters	4200 rpm	3550g	36x5 ml conical
18715787263	adapters	4200 rpm	3550g	80x1.5/2.0 ml
18715787264	adapters	4200 rpm	3550g	60x2.0 ml
18715787265	adapters	4200 rpm	3550g	80x0.5 ml
18715787266	adapters	4200 rpm	3550g	36x10 ml virus sampling tube
18715787267	adapters	4200 rpm	3550g	56x4-10 ml blood collection / urine tube
18715787268	adapters	4200 rpm	3550g	72x1.6-7 ml blood collection / urine tube
18715787269	adapters	4200 rpm	3550g	4x175/225 ml Falcon conical bottle
18715787270	Rectangular Buckets	4200 rpm	3550g	
18715787271	adapters	4200 rpm	3550g	20x50 ml conical
18715787272	adapters	4200 rpm	3550g	20x50 ml round bottom
18715787273	adapters	4200 rpm	3550g	20x30 ml
18715787274	adapters	4200 rpm	3550g	40x15 ml
18715787275	adapters	4200 rpm	3550g	40x5 ml conical
18715787276	adapters	4200 rpm	3550g	100x1.5/2.0 ml
18715787277	adapters	4200 rpm	3550g	100x2.0 ml
18715787278	adapters	4200 rpm	3550g	48x10 ml virus sampling tube
18715787279	adapters	4200 rpm	3550g	80x4-10 ml blood collection / urine tube
18715787280	adapters	4200 rpm	3550g	112x1.6-7 ml blood collection / urine tube
18715787281	Round Buckets	4200 rpm	3550g	148x5 ml Radio-immunity tube
18715787282	Round Buckets	4200 rpm	3550g	96x1.6-7 ml blood collection / urine tube
18715787283	Plate Buckets	4200 rpm	3550g	4x2 pcs microplates (96 wells) or 4x2 pcs microtiter plates or 4x2 pcs cell culture plates or 4x1 pc deep well plates
18715787284	No. 5-2 Swing-Bucket Rotor	4000 rpm	3400g	4x250 ml Corning conical bottle or 4x200 ml Nunc bottle
18715787285	No. 6-1 Swing-Bucket Rotor	4000 rpm	3500g	4x750 ml
18715787286	adapters	4000 rpm	3500g	4x500 ml
18715787287	adapters	4000 rpm	3500g	4x250 ml
18715787288	adapters	4000 rpm	3500g	12x100 ml
18715787289	adapters	4000 rpm	3500g	20x50 ml (conical)
18715787290	adapters	4000 rpm	3500g	20x50 ml (round bottom)
18715787291	adapters	4000 rpm	3500g	20x30 ml
18715787292	adapters	4000 rpm	3500g	56x15 ml
18715787293	adapters	4000 rpm	3500g	72x10 ml
18715787294	adapters	4000 rpm	3500g	56x5 ml (conical)
18715787295	adapters	4000 rpm	3500g	96x1.5/2.0 ml
18715787296	adapters	4000 rpm	3500g	88x2.0 ml
18715787297	adapters	4000 rpm	3500g	96x0.5 ml
18715787298	adapters	4000 rpm	3500g	76x4-10 ml blood collection / urine tube
18715787299	adapters	4000 rpm	3500g	96x1.6-7 ml blood collection / urine tube
18715787300	adapters	4000 rpm	3500g	148x5 ml Radio-immunity tube
18715787301	adapters	4000 rpm	3500g	4x175/225 ml Falcon conical bottle

18715787302	adapters	4000 rpm	3500g	4x30/50 ml Falcon Cell Culture Flasks or 4x30/50 ml Corning Cell Culture Flasks
18715787303	adapters	4000 rpm	3500g	4x40 ml Nunc Cell Culture Flasks
18715787304	adapters	4000 rpm	3500g	4x160 ml Nunc Cell Culture Flasks
18715787305	adapters	4000 rpm	3500g	4x200 ml Falcon Cell Culture Flasks or 4x200 ml Greiner Cell Culture Flasks or 4x200 ml Nunc Cell Culture Flasks
18715787107	No. 6-2 Swing-Bucket Rotor	4000 rpm	3500g	4 x 500 ml Corning conical bottle
18715787108	No. 7 Swing-Bucket Rotor	4000 rpm	3580g	6x250 ml
18715787109	adapters	4000 rpm	3580g	6x100 ml
18715787110	adapters	4000 rpm	3580g	6x50 ml
18715787111	adapters	4000 rpm	3580g	12x50 ml conical
18715787112	adapters	4000 rpm	3580g	12x50 ml round bottom
18715787113	adapters	4000 rpm	3580g	12x30 ml
18715787114	adapters	4000 rpm	3580g	30x15 ml
18715787115	adapters	4000 rpm	3580g	54x10 ml
18715787116	adapters	4000 rpm	3580g	30x5 ml conical
18715787117	adapters	4000 rpm	3580g	48x1.5/2.0 ml
18715787118	adapters	4000 rpm	3580g	48x2.0 ml
18715787119	adapters	4000 rpm	3580g	60x0.5 ml
18715787120	adapters	4000 rpm	3580g	30x10 ml virus sampling tube
18715787121	adapters	4000 rpm	3580g	42x4-10 ml blood collection / urine tube
18715787122	adapters	4000 rpm	3580g	60x1.6-7 ml blood collection / urine tube
18715787123	No. 8-1 Fixed-Angle Rotor	6000 rpm	5120g	12x15 ml
18715787124	adapters	6000 rpm	5120g	
18715787125	adapters	6000 rpm	5120g	
18715787126	adapters	6000 rpm	5120g	
18715787127	adapters	6000 rpm	5120g	
18715787128	adapters	6000 rpm	5120g	
18715787129	adapters	6000 rpm	5120g	
18715787130	No. 8-2 Fixed-Angle Rotor	6000 rpm	5120g	6x50 ml
18715787131	adapters	6000 rpm	5120g	
18715787132	adapters	6000 rpm	5120g	
18715787133	adapters	6000 rpm	5120g	
18715787134	adapters	6000 rpm	5120g	
18715787135	adapters	6000 rpm	5120g	
18715787136	adapters	6000 rpm	5120g	
18715787137	adapters	6000 rpm	5120g	
18715787138	adapters	6000 rpm	5120g	
18715787139	adapters	6000 rpm	5120g	



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