

# FLOOR MODEL REFRIGERATED CENTRIFUGE LTCEN22-21



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## LTCEN22-21

Used in Cell Separation, Precipitation, Sample Processing, Clinical, Cell Culture, Microplate Processing, Biochemistry, medical diagnosis.

Also known as Floor Standing Centrifuges, Laboratory Floor Type Centrifuges Floor Type Refrigerated Centrifuges, Benchtop Centrifuges Laboratory Tabletop Centrifuges.

## LTCEN22-21 FLOOR MODEL REFRIGERATED CENTRIFUGE

Microprocessor controlled programmable operation with full color touch screen interface. CFC-free refrigerant system and full color touch screen interface. Stores 1000 user-defined programs in centrifuge memory.



### SPECIFICATIONS

Model	LTCEN22-21
Maximum Capacity (No of tubes x Vol.)	4x750 ml
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
Safety Device	Imbalance protection, over speed protection, over current protection, lid inter lock system, lid open/close detection, steel housing, corrosion-resistant stainless steel centrifuge chamber, additional inner steel armored guarding, steel lid, etc.
Noise Level	≤ 58 dB (A)
Weight	158 kg
Overall Dimension	26.8x24.4x33 in / 68x62x84 mm

Max. Power Consumption	1800 KW
Power Supply	AC 200-240V,50Hz or AC 200-240V,60Hz

## OPTIONAL ACCESSORIES

Accessory Code	Name	Max Speed (rpm)	Max RCF(g)	Rotar Capacity
2502228008	No. 1 Swing-out Rotor Rotor Cross	5000 rpm	4650g	
2502228009	Tube Racks	5000 rpm	4650g	4x50 ml
2502228010	Tube Racks	5000 rpm	4650g	4x100 ml
2502228011	No. 2 Swing-out Rotor Rotor Cross	4000 rpm	2980g	4x100 ml
2502228012	Tube Racks	4000 rpm	2980g	8x50 ml
2502228013	Tube Racks	4000 rpm	2980g	8x100 ml
2502228014	Tube Racks	4000 rpm	2980g	24x10 ml
2502228015	Tube Racks	4000 rpm	2980g	24x15 ml
2502228016	adapters	4000 rpm	2980g	
2502228017	adapters	4000 rpm	2980g	
2502228018	adapters	4000 rpm	2980g	
2502228019	adapters	4000 rpm	2980g	
2502228020	adapters	4000 rpm	2980g	
2502228021	adapters	4000 rpm	2980g	
2502228022	Tube Racks	4000 rpm	2980g	32x10 ml
2502228023	Tube Racks	4000 rpm	2980g	32x15 ml
2502228024	adapters	4000 rpm	2980g	
2502228025	adapters	4000 rpm	2980g	
2502228026	adapters	4000 rpm	2980g	
2502228027	adapters	4000 rpm	2980g	
2502228028	adapters	4000 rpm	2980g	
2502228029	adapters	4000 rpm	2980g	
2502228030	No. 2-2 Swing-Bucket Rotor	4000 rpm	2980g	4x175/225 ml Falcon conical bottle
2502228031	No. 2-3 Swing-Bucket Rotor	4000 rpm	3100g	36x4-10 ml blood collection / urine tube
2502228032	No. 2-4 Swing-Bucket Rotor	4000 rpm	3100g	48x1.6-7 ml blood collection / urine tube
2502228033	No. 2-5 Swing-Bucket Rotor	4000 rpm	3100g	64x1.6-7 ml blood collection / urine tube
2502228034	No. 3 Swing-Bucket Rotor Rotor Cross (with a wind shield)	4000 rpm	3100g	
2502228035	250ml Round Buckets	5000 rpm	5200g	4x250 ml
2502228036	adapters	5000 rpm	5200g	4x100 ml
2502228037	adapters	5000 rpm	5200g	4x50 ml
2502228038	adapters	5000 rpm	5200g	8x50 ml conical
2502228039	adapters	5000 rpm	5200g	8x50 ml round bottom
2502228040	adapters	5000 rpm	5200g	8x30 ml
2502228041	adapters	5000 rpm	5200g	20x15 ml
2502228042	adapters	5000 rpm	5200g	36x10 ml
2502228043	adapters	5000 rpm	5200g	20x5 ml conical
2502228044	adapters	5000 rpm	5200g	32x1.5/2.0 ml
2502228045	adapters	5000 rpm	5200g	32x2.0 ml
2502228046	adapters	5000 rpm	5200g	40x0.5 ml

2502228047	adapters	5000 rpm	5200g	20x10 ml virus sampling tube
2502228048	adapters	5000 rpm	5200g	28x4-10 ml blood collection / urine tube
2502228049	adapters	5000 rpm	5200g	40x1.6-7 ml blood collection / urine tube
2502228050	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
2502228051	No. 5-1 Swing-Bucket Rotor Rotor Cross	4200 rpm	3550g	
2502228052	500ml Round Buckets	4200 rpm	3550g	4x500 ml
2502228053	Aerosol-tight lids for 500ml Round Buckets	4200 rpm	3550g	
2502228054	adapters	4200 rpm	3550g	4x250 ml
2502228055	adapters	4200 rpm	3550g	4x100 ml
2502228056	adapters	4200 rpm	3550g	16x50 ml conical
2502228057	adapters	4200 rpm	3550g	16x50 ml round bottom
2502228058	adapters	4200 rpm	3550g	16x30 ml
2502228059	adapters	4200 rpm	3550g	36x15 ml
2502228060	adapters	4200 rpm	3550g	56x10 ml
2502228061	adapters	4200 rpm	3550g	36x5 ml conical
2502228062	adapters	4200 rpm	3550g	80x1.5/2.0 ml
2502228063	adapters	4200 rpm	3550g	60x2.0 ml
2502228064	adapters	4200 rpm	3550g	80x0.5 ml
2502228065	adapters	4200 rpm	3550g	36x10 ml virus sampling tube
2502228066	adapters	4200 rpm	3550g	56x4-10 ml blood collection / urine tube
2502228067	adapters	4200 rpm	3550g	72x1.6-7 ml blood collection / urine tube
2502228068	adapters	4200 rpm	3550g	4x175/225 ml Falcon conical bottle
2502228069	Rectangular Buckets	4200 rpm	3550g	
2502228070	adapters	4200 rpm	3550g	20x50 ml conical
2502228071	adapters	4200 rpm	3550g	20x50 ml round bottom
2502228072	adapters	4200 rpm	3550g	20x30 ml
2502228073	adapters	4200 rpm	3550g	40x15 ml
2502228074	adapters	4200 rpm	3550g	40x5 ml conical
2502228075	adapters	4200 rpm	3550g	100x1.5/2.0 ml
2502228076	adapters	4200 rpm	3550g	100x2.0 ml
2502228077	adapters	4200 rpm	3550g	48x10 ml virus sampling tube
2502228078	adapters	4200 rpm	3550g	80x4-10 ml blood collection / urine tube
2502228079	adapters	4200 rpm	3550g	112x1.6-7 ml blood collection / urine tube
2502228080	Round Buckets	4200 rpm	3550g	148x5 ml Radio-immunity tube
2502228081	Round Buckets	4200 rpm	3550g	96x1.6-7 ml blood collection / urine tube
2502228082	Plate Buckets	4200 rpm	3550g	4x3 pcs microplates (96 wells) or 4x3 pcs microtiter plates or 4x2 pcs cell culture plates or 4x1 pc deep well plates
2502228083	No. 5-2 Swing-Bucket Rotor	4200 rpm	3550g	4x250 ml Corning conical bottle or 4x200 ml Nunc bottle
2502228084	No. 6-1 Swing-Bucket Rotor	4200 rpm	3550g	4x750 ml
2502228085	adapters	4200 rpm	3550g	4x500 ml
2502228086	adapters	4200 rpm	3550g	4x250 ml
2502228087	adapters	4200 rpm	3550g	12x100 ml
2502228088	adapters	4200 rpm	3550g	20x50 ml (conical)

2502228089	adapters	4200 rpm	3550g	20x50 ml (round bottom)
2502228090	adapters	4200 rpm	3550g	20x30 ml
2502228091	adapters	4200 rpm	3550g	56x15 ml
2502228092	adapters	4200 rpm	3550g	72x10 ml
2502228093	adapters	4200 rpm	3550g	56x5 ml (conical)
2502228094	adapters	4200 rpm	3550g	96x1.5/2.0 ml
2502228095	adapters	4200 rpm	3550g	88x2.0 ml
2502228096	adapters	4200 rpm	3550g	96x0.5 ml
2502228097	adapters	4200 rpm	3550g	76x4-10 ml blood collection / urine tube
2502228098	adapters	4200 rpm	3550g	96x1.6-7 ml blood collection / urine tube
2502228099	adapters	4200 rpm	3550g	148x5 ml Radio-immunity tube
2502228100	adapters	4200 rpm	3550g	4x175/225 ml Falcon conical bottle
2502228101	adapters	4200 rpm	3550g	4x30/50 ml Falcon Cell Culture Flasks or 4x30/50 ml Corning Cell Culture Flasks
2502228102	adapters	4200 rpm	3550g	4x40 ml Nunc Cell Culture Flasks
2502228103	adapters	4200 rpm	3550g	4x160 ml Nunc Cell Culture Flasks
2502228104	adapters	4200 rpm	3550g	4x200 ml Falcon Cell Culture Flasks or 4x200 ml Greiner Cell Culture Flasks or 4x200 ml Nunc Cell Culture Flasks
2502228105	No. 6-2 Swing-Bucket Rotor	4000 rpm	3500g	4x500 ml Corning conical bottle
2502228106	No. 7 Swing-Bucket Rotor	4000 rpm	3580g	6x250 ml
2502228107	adapters	4000 rpm	3580g	6x100 ml
2502228108	adapters	4000 rpm	3580g	6x50 ml
2502228109	adapters	4000 rpm	3580g	12x50 ml conical
2502228110	adapters	4000 rpm	3580g	12x50 ml round bottom
2502228111	adapters	4000 rpm	3580g	12x30 ml
2502228112	adapters	4000 rpm	3580g	30x15 ml
2502228113	adapters	4000 rpm	3580g	54x10 ml
2502228114	adapters	4000 rpm	3580g	30x5 ml conical
2502228115	adapters	4000 rpm	3580g	48x1.5/2.0 ml
2502228116	adapters	4000 rpm	3580g	48x2.0 ml
2502228117	adapters	4000 rpm	3580g	60x0.5 ml
2502228118	adapters	4000 rpm	3580g	30x10 ml virus sampling tube
2502228119	adapters	4000 rpm	3580g	42x4-10 ml blood collection / urine tube
2502228120	adapters	4000 rpm	3580g	60x1.6-7 ml blood collection / urine tube
2502228121	No. 8 Swing-Bucket Rotor	4000 rpm	3580g	4 x buckets
2502228122	adapters	4000 rpm	3580g	4x500 ml
2502228123	adapters	4000 rpm	3580g	4x250 ml
2502228124	adapters	4000 rpm	3580g	16x100 ml
2502228125	adapters	4000 rpm	3580g	28x50 ml (conical)
2502228126	adapters	4000 rpm	3580g	28x50 ml (round bottom)
2502228127	adapters	4000 rpm	3580g	28x30 ml
2502228128	adapters	4000 rpm	3580g	56x15 ml
2502228129	adapters	4000 rpm	3580g	72x10 ml
2502228130	adapters	4000 rpm	3580g	56x5 ml (conical)
2502228131	adapters	4000 rpm	3580g	88x1.5/2.0 ml
2502228132	adapters	4000 rpm	3580g	88x2.0 ml
2502228133	adapters	4000 rpm	3580g	140x1.6-7 ml blood collection / urine tube



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