

# TABLETOP REFRIGERATED CENTRIFUGE CEN1A-500R



# TABLETOP REFRIGERATED CENTRIFUGE

## CEN1A-500R

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

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

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

## CEN1A-500R TABLETOP REFRIGERATED CENTRIFUGE

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



### SPECIFICATIONS

|                                       |   |
|---------------------------------------|---|
| Model                                 | CEN1A-500R  |
| 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                            |
|----------------|---|-----------------|------------|----------------|---|
| 2201924005     | No. 1 Swing-out Rotor Rotor Cross                         | 5000 rpm        | 4650g      |                |   |
| 2201924006     | Tube Racks  | 5000 rpm        | 4650g      | 4x50 ml        |   |
| 2201924007     | Tube Racks  | 5000 rpm        | 4650g      | 4x100 ml       |   |
| 2201924008     | No. 2 Swing-out Rotor Rotor Cross                         | 4000 rpm        | 2980g      |                |   |
| 2201924009     | Tube Racks  | 4000 rpm        | 2980g      |                | 8x50 ml                                   |
| 2201924010     | Tube Racks  | 4000 rpm        | 2980g      |                | 8x100 ml                                  |
| 2201924011     | Tube Racks  | 4000 rpm        | 2980g      |                | 24x10 ml                                  |
| 2201924012     | Tube Racks  | 4000 rpm        | 2980g      |                | 24x15 ml                                  |
| 2201924013     | adapters  | 4000 rpm        | 2980g      |                |   |
| 2201924014     | adapters  | 4000 rpm        | 2980g      |                |   |
| 2201924015     | adapters  | 4000 rpm        | 2980g      |                |   |
| 2201924016     | adapters  | 4000 rpm        | 2980g      |                |   |
| 2201924017     | adapters  | 4000 rpm        | 2980g      |                |   |
| 2201924018     | adapters  | 4000 rpm        | 2980g      |                |   |
| 2201924019     | Tube Racks  | 4000 rpm        | 2980g      |                | 32x10 ml                                  |
| 2201924020     | Tube Racks  | 4000 rpm        | 2980g      |                | 32x15 ml                                  |
| 2201924021     | adapters  | 4000 rpm        | 2980g      |                |   |
| 2201924022     | adapters  | 4000 rpm        | 2980g      |                |   |
| 2201924023     | adapters  | 4000 rpm        | 2980g      |                |   |
| 2201924024     | adapters  | 4000 rpm        | 2980g      |                |   |
| 2201924025     | adapters  | 4000 rpm        | 2980g      |                |   |
| 2201924026     | adapters  | 4000 rpm        | 2980g      |                |   |
| 2201924027     | No. 2-2 Swing-Bucket Rotor                                | 4000 rpm        | 2980g      |                | 4x175/225 ml Falcon conical bottle        |
| 2201924028     | No. 2-3 Swing-Bucket Rotor                                | 4000 rpm        | 3100g      |                | 36x4-10 ml blood collection / urine tube  |
| 2201924029     | No. 2-4 Swing-Bucket Rotor                                | 4000 rpm        | 3100g      |                | 48x1.6-7 ml blood collection / urine tube |
| 2201924030     | No. 2-5 Swing-Bucket Rotor                                | 4000 rpm        | 3100g      |                | 64x1.6-7 ml blood collection / urine tube |
| 2201924031     | No. 3 Swing-Bucket Rotor Rotor Cross (with a wind shield) | 5000 rpm        | 5200g      |                |   |
| 2201924032     | 250ml Round Buckets                                       | 5000 rpm        | 5200g      |                | 4x250 ml                                  |
| 2201924033     | adapters  | 5000 rpm        | 5200g      |                | 4x100 ml                                  |
| 2201924034     | adapters  | 5000 rpm        | 5200g      |                | 4x50 ml                                   |
| 2201924035     | adapters  | 5000 rpm        | 5200g      |                | 8x50 ml conical                           |
| 2201924036     | adapters  | 5000 rpm        | 5200g      |                | 8x50 ml round bottom                      |
| 2201924037     | adapters  | 5000 rpm        | 5200g      |                | 8x30 ml                                   |
| 2201924038     | adapters  | 5000 rpm        | 5200g      |                | 20x15 ml                                  |
| 2201924039     | adapters  | 5000 rpm        | 5200g      |                | 36x10 ml                                  |

|            |  |          |       |  |   |
|------------|--|----------|-------|--|---|
| 2201924040 | adapters                                   | 5000 rpm | 5200g |  | 20x5 ml conical   |
| 2201924041 | adapters                                   | 5000 rpm | 5200g |  | 32x1.5/2.0 ml   |
| 2201924042 | adapters                                   | 5000 rpm | 5200g |  | 32x2.0 ml   |
| 2201924043 | adapters                                   | 5000 rpm | 5200g |  | 40x0.5 ml   |
| 2201924044 | adapters                                   | 5000 rpm | 5200g |  | 20x10 ml virus sampling tube  |
| 2201924045 | adapters                                   | 5000 rpm | 5200g |  | 24x4-10 ml blood collection / urine tube  |
| 2201924046 | adapters                                   | 5000 rpm | 5200g |  | 40x1.6-7 ml blood collection / urine tube   |
| 2201924047 | Tube Racks                                 | 5000 rpm | 5200g |  | 32x15 ml  |
| 2201924048 | 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 |
| 2201924049 | No. 5-1 Swing-Bucket Rotor Rotor Cross     | 4200 rpm | 3550g |  |   |
| 2201924050 | 500ml Round Buckets                        | 4200 rpm | 3550g |  | 4x500 ml  |
| 2201924051 | Aerosol-tight lids for 500ml Round Buckets | 4200 rpm | 3550g |  |   |
| 2201924052 | adapters                                   | 4200 rpm | 3550g |  | 4x250 ml  |
| 2201924053 | adapters                                   | 4200 rpm | 3550g |  | 4x100 ml  |
| 2201924054 | adapters                                   | 4200 rpm | 3550g |  | 16x50 ml conical  |
| 2201924055 | adapters                                   | 4200 rpm | 3550g |  | 16x50 ml round bottom   |
| 2201924056 | adapters                                   | 4200 rpm | 3550g |  | 16x30 ml  |
| 2201924057 | adapters                                   | 4200 rpm | 3550g |  | 36x15 ml  |
| 2201924058 | adapters                                   | 4200 rpm | 3550g |  | 56x10 ml  |
| 2201924059 | adapters                                   | 4200 rpm | 3550g |  | 36x5 ml conical   |
| 2201924060 | adapters                                   | 4200 rpm | 3550g |  | 80x1.5/2.0 ml   |
| 2201924061 | adapters                                   | 4200 rpm | 3550g |  | 60x2.0 ml   |
| 2201924062 | adapters                                   | 4200 rpm | 3550g |  | 80x0.5 ml   |
| 2201924063 | adapters                                   | 4200 rpm | 3550g |  | 36x10 ml virus sampling tube  |
| 2201924064 | adapters                                   | 4200 rpm | 3550g |  | 56x4-10 ml blood collection / urine tube  |
| 2201924065 | adapters                                   | 4200 rpm | 3550g |  | 72x1.6-7 ml blood collection / urine tube   |
| 2201924066 | adapters                                   | 4200 rpm | 3550g |  | 4x175/225 ml Falcon conical bottle  |
| 2201924067 | Rectangular Buckets                        | 4200 rpm | 3550g |  |   |
| 2201924068 | 20x50 ml conical                           | 4200 rpm | 3550g |  | 20x50 ml conical  |
| 2201924069 | 20x50 ml conical                           | 4200 rpm | 3550g |  | 20x50 ml round bottom   |
| 2201924070 | 20x50 ml conical                           | 4200 rpm | 3550g |  | 20x30 ml  |
| 2201924071 | 20x50 ml conical                           | 4200 rpm | 3550g |  | 40x15 ml  |
| 2201924072 | 20x50 ml conical                           | 4200 rpm | 3550g |  | 40x5 ml conical   |
| 2201924073 | 20x50 ml conical                           | 4200 rpm | 3550g |  | 100x1.5/2.0 ml  |
| 2201924074 | 20x50 ml conical                           | 4200 rpm | 3550g |  | 100x2.0 ml  |
| 2201924075 | 20x50 ml conical                           | 4200 rpm | 3550g |  | 48x10 ml virus sampling tube  |
| 2201924076 | 20x50 ml conical                           | 4200 rpm | 3550g |  | 80x4-10 ml blood collection / urine tube  |
| 2201924077 | 20x50 ml conical                           | 4200 rpm | 3550g |  | 112x1.6-7 ml blood collection / urine tube  |
| 2201924078 | Round Buckets                              | 4200 rpm | 3550g |  | 148x5 ml Radio-immunity tube  |

|            |                            |          |       |  |   |
|------------|----------------------------|----------|-------|--|---|
| 2201924079 | Round Buckets              | 4200 rpm | 3550g |  | 96x1.6-7 ml blood collection / urine tube   |
| 2201924080 | 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 |
| 2201924081 | No. 5-2 Swing-Bucket Rotor | 4000 rpm | 3400g |  | 4x250 ml Corning conical bottle or 4x200 ml Nunc bottle   |
| 2201924082 | No. 6-1 Swing-Bucket Rotor | 4000 rpm | 3500g |  | 4x750 ml  |
| 2201924083 | adapters                   | 4000 rpm | 3500g |  | 4x500 ml  |
| 2201924084 | adapters                   | 4000 rpm | 3500g |  | 4x250 ml  |
| 2201924085 | adapters                   | 4000 rpm | 3500g |  | 12x100 ml   |
| 2201924086 | adapters                   | 4000 rpm | 3500g |  | 20x50 ml (conical)  |
| 2201924087 | adapters                   | 4000 rpm | 3500g |  | 20x50 ml (round bottom)   |
| 2201924088 | adapters                   | 4000 rpm | 3500g |  | 20x30 ml  |
| 2201924089 | adapters                   | 4000 rpm | 3500g |  | 56x15 ml  |
| 2201924090 | adapters                   | 4000 rpm | 3500g |  | 72x10 ml  |
| 2201924091 | adapters                   | 4000 rpm | 3500g |  | 56x5 ml (conical)   |
| 2201924092 | adapters                   | 4000 rpm | 3500g |  | 96x1.5/2.0 ml   |
| 2201924093 | adapters                   | 4000 rpm | 3500g |  | 88x2.0 ml   |
| 2201924094 | adapters                   | 4000 rpm | 3500g |  | 96x0.5 ml   |
| 2201924095 | adapters                   | 4000 rpm | 3500g |  | 76x4-10 ml blood collection / urine tube  |
| 2201924096 | adapters                   | 4000 rpm | 3500g |  | 96x1.6-7 ml blood collection / urine tube   |
| 2201924097 | adapters                   | 4000 rpm | 3500g |  | 148x5 ml Radio-immunity tube  |
| 2201924098 | adapters                   | 4000 rpm | 3500g |  | 4x175/225 ml Falcon conical bottle  |
| 2201924099 | adapters                   | 4000 rpm | 3500g |  | 4x30/50 ml Falcon Cell Culture Flasks or 4x30/50 ml Corning Cell Culture Flasks                                       |
| 2201924100 | adapters                   | 4000 rpm | 3500g |  | 4x40 ml Nunc Cell Culture Flasks  |
| 2201924101 | adapters                   | 4000 rpm | 3500g |  | 4x160 ml Nunc Cell Culture Flasks   |
| 2201924102 | adapters                   | 4000 rpm | 3500g |  | 4x200 ml Falcon Cell Culture Flasks or 4x200 ml Greiner Cell Culture Flasks or 4x200 ml Nunc Cell Culture Flasks      |
| 2201924104 | No. 6-2 Swing-Bucket Rotor | 4000 rpm | 3500g |  | 4x500 ml Corning conical bottle   |
| 2201924105 | No. 7 Swing-Bucket Rotor   | 4000 rpm | 3580g |  | 6x250 ml  |
| 2201924106 | adapters                   | 4000 rpm | 3580g |  | 6x100 ml  |
| 2201924107 | adapters                   | 4000 rpm | 3580g |  | 6x50 ml   |
| 2201924108 | adapters                   | 4000 rpm | 3580g |  | 12x50 ml conical  |
| 2201924109 | adapters                   | 4000 rpm | 3580g |  | 12x50 ml round bottom   |
| 2201924110 | adapters                   | 4000 rpm | 3580g |  | 12x30 ml  |
| 2201924111 | adapters                   | 4000 rpm | 3580g |  | 30x15 ml  |
| 2201924112 | adapters                   | 4000 rpm | 3580g |  | 54x10 ml  |
| 2201924113 | adapters                   | 4000 rpm | 3580g |  | 30x5 ml conical   |
| 2201924114 | adapters                   | 4000 rpm | 3580g |  | 48x1.5/2.0 ml   |
| 2201924116 | adapters                   | 4000 rpm | 3580g |  | 48x2.0 ml   |
| 2201924117 | adapters                   | 4000 rpm | 3580g |  | 60x0.5 ml   |
| 2201924118 | adapters                   | 4000 rpm | 3580g |  | 30x10 ml virus sampling tube  |
| 2201924119 | adapters                   | 4000 rpm | 3580g |  | 42x4-10 ml blood collection / urine tube  |

|            |          |          |       |  |   |
|------------|----------|----------|-------|--|---|
| 2201924130 | adapters | 4000 rpm | 3580g |  | 60x1.6-7 ml blood collection / urine tube |
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