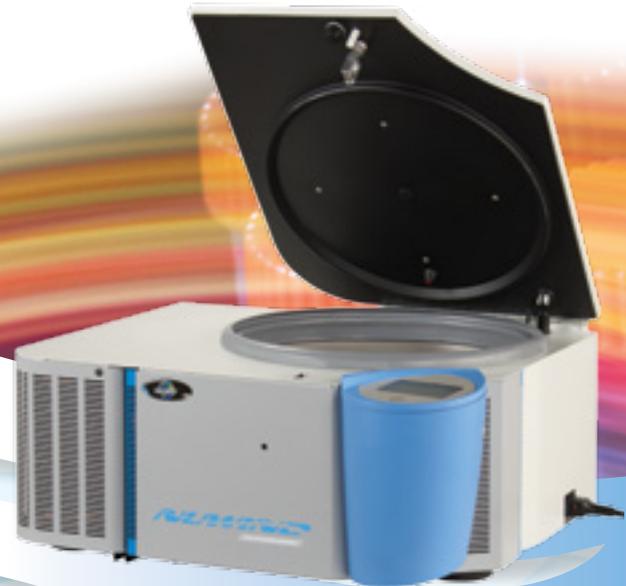


NUAIRE

MULTI-APPLICATION CENTRIFUGE

A Better Way to Separate



General Purpose Centrifuge



NU-C200V VENTILATED MULTI-APPLICATION CENTRIFUGE



NU-C200R REFRIGERATED MULTI-APPLICATION CENTRIFUGE



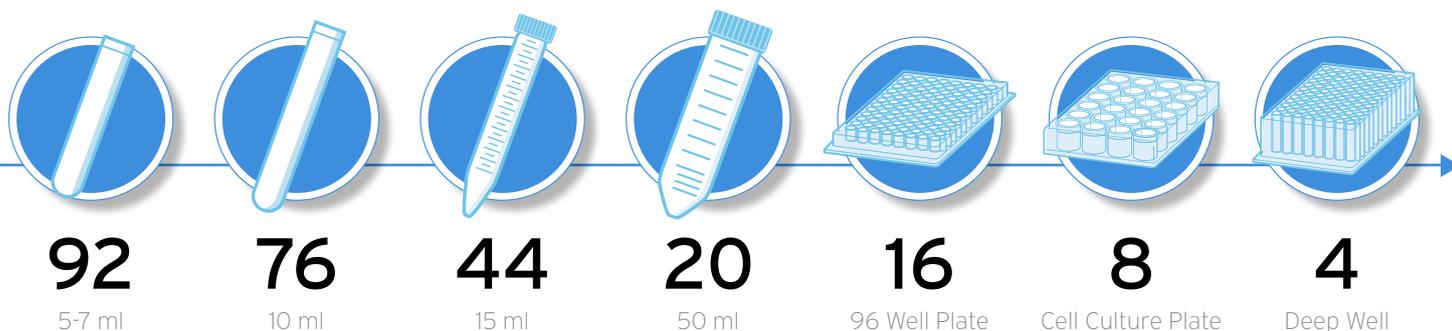
Smaller in Size, but **BIG** on Capacity

The NuWind centrifuge offers the largest capacity available relative to its footprint.

Using a 1/2 inch (13 mm) thick steel shell NuWind minimizes its exterior footprint saving you more bench space while improving safety.

This construction technique allows NuWind to focus on adding more capacity with more speed.

Capacities to Maximize your Workflow





CLiCK SPIN

Click-Spin patented technology will allow you to exchange rotors in the simplest and fastest way possible; no tools are needed! Align the rotor with the motor shaft and it will sit and lock itself. Once installed, an audible “CLICK” will ensure you the rotor is correctly seated.

When switching rotors per application, grasp the red dial of the rotor and twist counter-clockwise while anchoring the body of the rotor. An audible “CLICK” will sound, and your rotor will then be unlocked from the motor shaft. You can now quickly remove it and install your new rotor.

Click-Spin technology is available as a standard option on all our rotors.



● **Bio-Lid Design**

The unique design of our lids allows you to open and close the buckets with a single hand, and they can also be installed and removed with the buckets on the rotor.



● **Routine Cleaning Made Easy**

Contamination can hide in the tightest of places. The ability to remove a rotor within seconds makes the regular cleaning of the centrifuge bowl easy.



● **Application Flexibility**

The simple action of a twist allows the rotor to be removed within seconds. Start a new application by placing a new rotor over the shaft. An audible “CLICK” notifies a user the rotor has been securely locked.



● **Security**

The automatic locking feature allows a rotor to be securely installed without the worry of damage to the centrifuge.





● Rotor Recognition
Safely run your centrifuge knowing a rotor can not achieve speeds over its intended use.



● Touchscreen Controls
Touch can make anyone an expert. The ease of use improves user adoption. Increase the speed of your tasks. Help eliminate errors with clearly defined menus and icons.



● Power Factor Control
The centrifuge runs constant and uniform voltage and amperage supplied to the motor; allowing 100% repeatability in the quality of the centrifugation. This feature brings you consistent quality and high reliability in the results.



● End of Run Notification
In addition to an audible alarm, the InSight Control Center features an end of cycle light that illuminates when centrifugation ceases operations providing a visual indication it is safe to remove your work.

InSight Electronic Control Center

Because simplicity and user-friendliness are keywords when it comes to laboratory equipment, we have redefined these concepts by developing the InSight Electronic Control Center (ECC). InSight ECC is a plug-and-play control center housing the brains of the machine. The ECC is designed with a touchscreen to simply centrifuge controls for high user adoption.

Special Features

- End of cycle light visually informs when centrifugation cycle is complete.
- Up to 100 Programs with title description
- Imbalance calibration utilizes software to learn
- Service reminders notify user when it is time to grease centrifuge, extending product life
- A microprocessor maintains a logbook record of accessories. Notifications will inform user when to check or renew accessory.
- Service friendly InSight be exchanged within minutes and can easily transfer programs to a new ECC minimizes down-time.



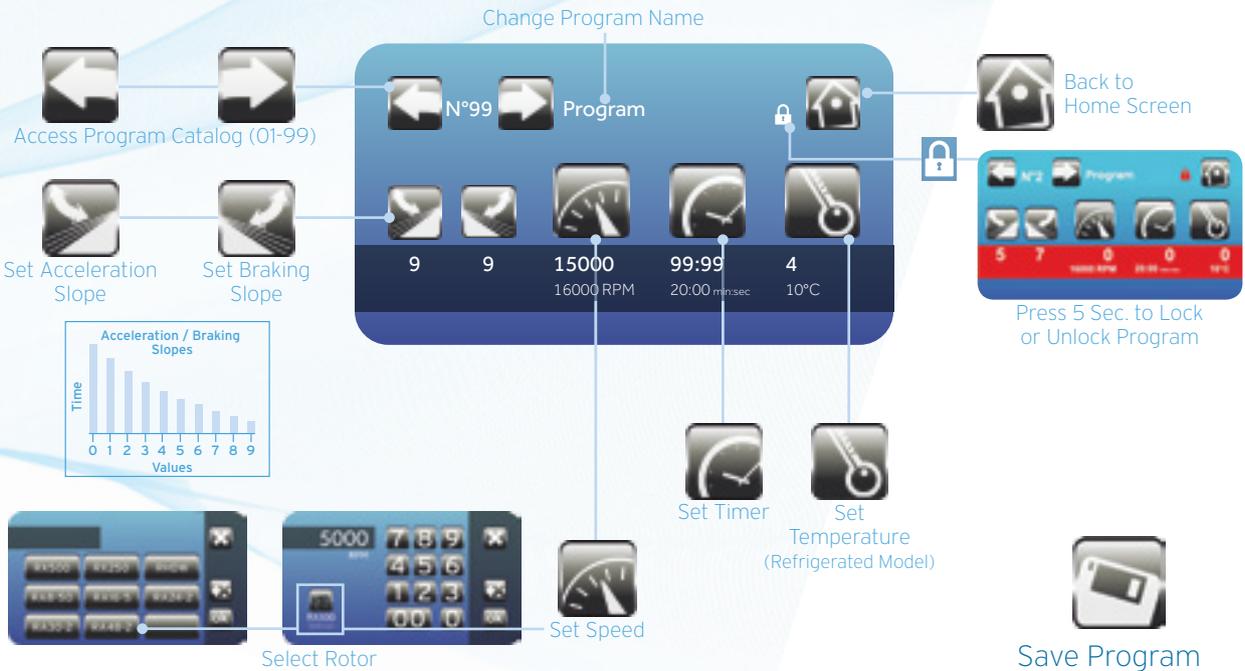
Main Screen



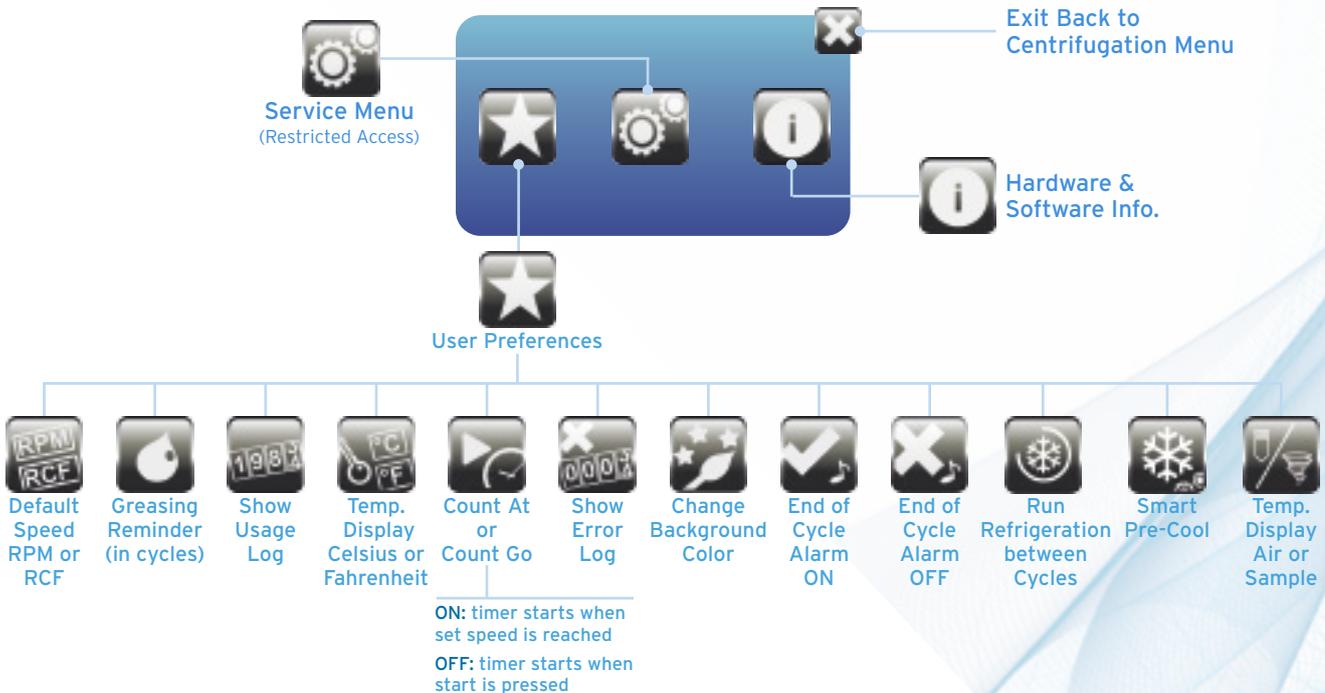
Entry Screen

InSight Electronic Control Center

Centrifugation Menu



Home Screen





The Safer Experience

Whether its laboratory safety, product benefits or service, NuAire is the safer choice.

Imbalance Detection

The Centrifuge automatically detects and stops if the rotor is not evenly loaded. You have the option to manually set tolerance levels.



Robust Barrier Wall

Safe and durable. A 1/2 inch (13 mm) steel wall makes up the body of the centrifuge maximizing safety and laboratory footprint.



Safety Lid Lock

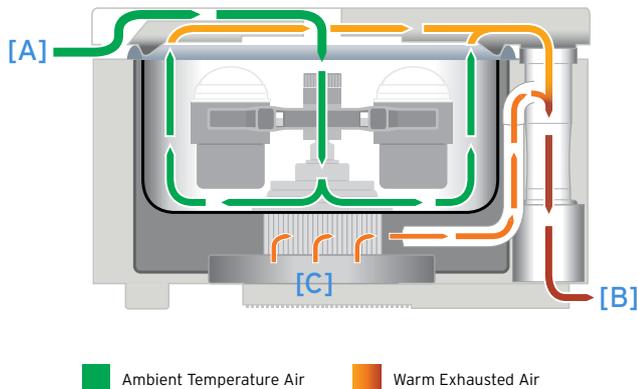
Gently open and lock the centrifuge lid with an automatic locking mechanism to keep your laboratory safe during operation.



Proper Temperature

Maintaining the proper temperature of a centrifuge chamber is a must when spinning cells, plasma, blood, and more.

Nothing Over 37°C



The NuWind ventilation system's unique first air design pulls laboratory air from the front of the unit [A]. The vortex created within the chamber propels air through the exhaust system depositing heated air on the bottom back of the unit [B]. The separation of ambient temperature laboratory air and heated exhausted air helps to maintain chamber temperature under 37°C. The warm air from the motor [C] is pulled by the Venturi effect in the flex tube and exhausted from the bottom.

Any Speed, Any Accessory at 4°C



The NuWind robust refrigeration system surrounds the centrifuge bowl providing the ability to maintain temperature of 4°C with any accessory at any speed.

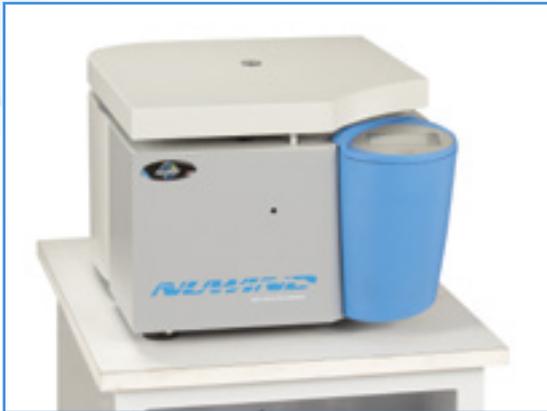


Safety Features

- Automatic lid lock - securely locks lid and CANNOT be opened during centrifugation run.
- Rotor imbalance detector - centrifugation cycle shuts down if vibrations are too strong
- Rotor Recognition - Each NuWind rotor is recognized and CANNOT spin over the rotor's maximum speed.

Performance Features

- The NuWind Ventilated model does not recirculate air. First air that enters the bowl to help maintain ambient temperature exhausts at a separate location not allowing for any recirculation and heat build up.
- Power Factor Control (PFC) - constant uniform voltage and amperage supplied to the motor ensure the complete centrifugation cycle.



| Description | Model NU-C200V |
|--|---|
| Maximum capacity | 4x625 ml x kg / bucket, 4 x buckets |
| Supply Voltage (Depending on the Model) | 115 V ± 10% 60 Hz 230 V ± 10% 50Hz |
| Model Type | Ventilated |
| Catalogue Numbers 115V / 60 Hz 230V / 50 Hz | NU-C200V NU-C200V-E |
| Maximum Speed (rpm) | 15,300 rpm |
| Maximum Relative Centrifugal Force (g) | 22,380 xg |
| Total Power Consumed | 900 Watt |
| Dissipated Heat (Btuh) (1 Btuh = 0.29307 W) | 3071 Btuh |
| Fluid Coolant / Charge | Not applicable |
| Maintaining temperature at +4 ° C | No |
| Dimensions on bench (W x D x H) | 18.1 x 22 x 13.7 inches 457 x 556 x 347 mm |
| Overall dimensions (W x D x H) | 18.1 x 23.9 x 13.7 inches 457 x 604 x 347 mm |
| Packaging (W x D x H) | 23.8 x 31.7 x 19.8 inches 600 x 800 x 500 mm |
| Net weight (excluding rotor) | 156 lbs / 71 kg |
| Gross Weight (excluding rotor) | 169 lbs / 77 kg |
| Maximum sound level | ≤ 60 dB(A) |





First Air Intake

Automatic secure lid lock

Air exhaust through bottom of unit

InSight Electronic
Touchscreen Control System

Lid unlock button

Keyhole for manual lid
unlock in case of power outage

RS232 Connection to Transfer Data

Power Switch

| Description | Model NU-C200R |
|--|---|
| Maximum capacity | 4x625 ml x kg / bucket, 4 x buckets |
| Supply Voltage (Depending on the Model) | 115 V ± 10% 60 Hz 230 V ± 10% 50Hz |
| Model Type | Refrigerated |
| Catalogue Numbers 115V / 60 Hz 230V / 50 Hz | NU-C200R NU-C200R-E |
| Maximum Speed (rpm) | 18,000 rpm |
| Maximum Relative Centrifugal Force (g) | 30,980 xg |
| Total Power Consumed | 2000 Watt |
| Dissipated Heat (Btuh) (1 Btuh = 0.29307 W) | 6824 Btuh |
| Fluid Coolant / Charge | R404A / 0.35 kg |
| Maintaining temperature at +4 ° C | Yes |
| Dimensions on bench (W x D x H) | 26.7 x 23 x 12.7 inches 675 x 582 x 322 mm |
| Overall dimensions (W x D x H) | 26.7 x 25 x 12.7 inches 675 x 630 x 322 mm |
| Packaging (W x D x H) | 31.7 x 31.7 x 19.8 inches 800 x 800 x 500 mm |
| Net weight (excluding rotor) | 242 lbs / 110 kg |
| Gross Weight (excluding rotor) | 255 lbs / 116 kg |
| Maximum sound level | ≤ 55 dB(A) |



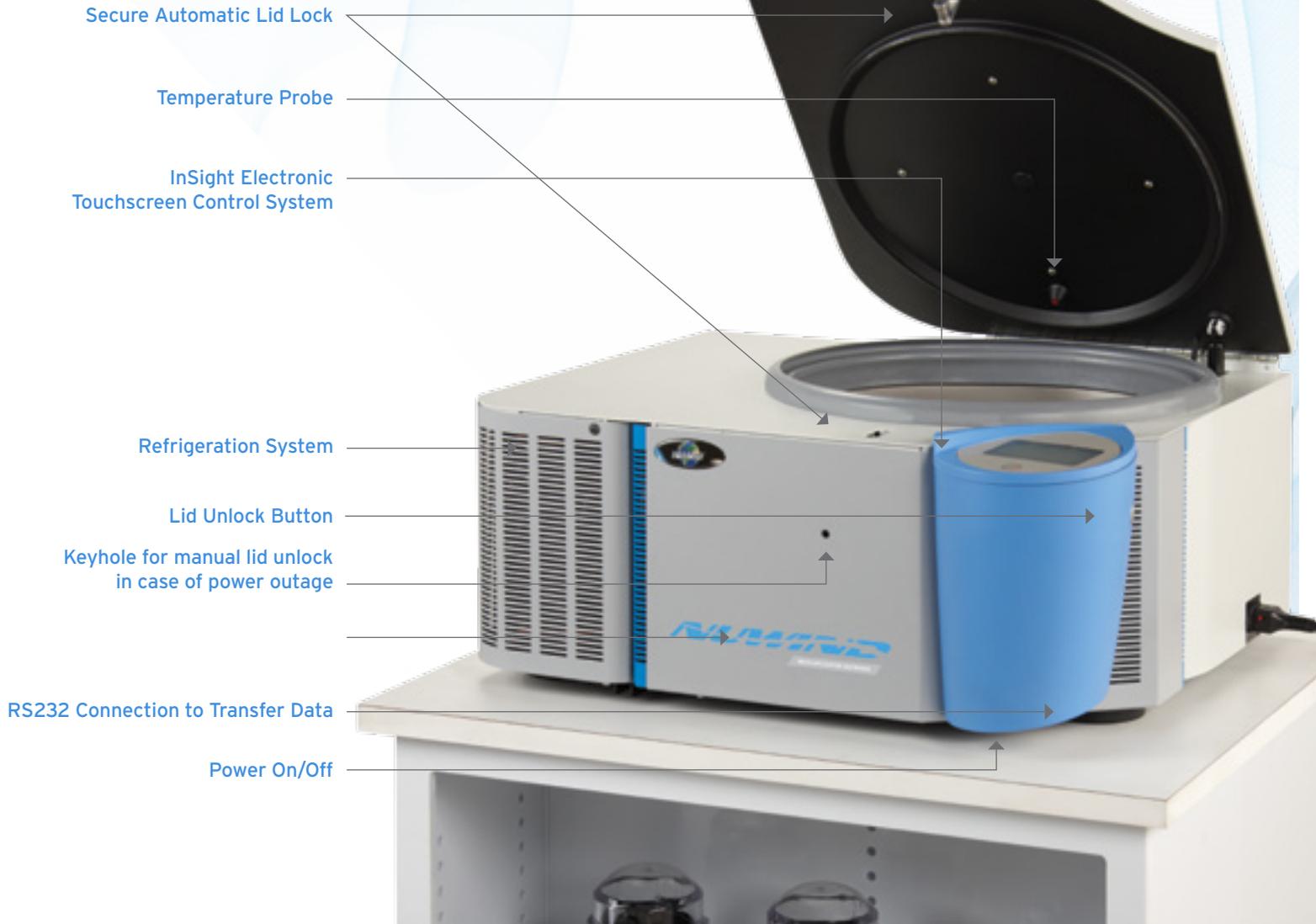
Safety Features

- Automatic lid lock - securely locks lid and CANNOT be opened during centrifugation run.
- Rotor imbalance detector - centrifugation cycle shuts down if vibrations are too strong
- Rotor Recognition - Each NuWind rotor is recognized and CANNOT spin over the rotor's maximum speed.

Performance Features

- The NuWind Refrigerated model can maintain 4°C temperature control with any accessory at any speed.
- Power Factor Control (PFC) - constant uniform voltage and amperage supplied to the motor ensure the complete centrifugation cycle.





Accessories



Rotor
NU-RX500
4x500ml



Buckets
NU-B500
4x500ml



Bio-Lids
NU-L500



Buckets
NU-BX-DW

| Type of Tube | | Part # | Description | Qty | Model: NU-C200V | Model: NU-C200R |
|------------------------------|---------|-----------------|---|-----|---------------------|---------------------|
| Collection Tubes (3, 5, 7ml) | | NU-2T5 | Insert 23 x 5ml blood collection tube (Set of 4) | 92 | 4500 RPM 4188 xg | 5100 RPM 5350 xg |
| Collection Tubes (10-15ml) | | NU-2T10 | Insert 19 x 10ml blood collection tube (Set of 4) | 76 | | |
| Conical Tubes (15ml) | | NU-2T15C | Insert 11 x 15ml conical tube (Set of 4) | 44 | | |
| Conical Tubes (50ml) | Lids | NU-2T50CL | Insert 4 x 50ml conical tube (Set of 4) | 16 | | |
| | | NU-2T50SL | Insert 4 x 50ml self-stand tube (Set of 4) | 16 | | |
| | No Lids | NU-2T50C* | Insert 5 x 50ml conical tube (Set of 4) | 20 | | |
| | | NU-2T50S* | Insert 5 x 50ml self-stand tube (Set of 4) | 20 | | |
| Bottles | Lids | 100ml NU-2T100 | Insert 1 x 100ml round bottom bottle (Set of 4) | 4 | | |
| | | 175ml NU-2T200 | Insert 1 x 175ml round bottom bottle (Set of 4) | 4 | | |
| | | 625ml NU-2T625 | Insert 1 x 625ml round bottom bottle (Set of 4) | 4 | | |
| | No Lids | 225ml NU-2T200* | Insert 1 x 225ml round bottom bottle (Set of 4) | 4 | | |
| 96 Well Plate | | NU-BX-DW | Microplate Carrier (Set of 4) | 16 | | |
| Cell Culture Plate | | | | 16 | | |
| Deep Well | | | | 4 | | |

*Inserts cannot be used with bio-containment lids



Rotor
NU-RX250
4x250ml



Bucket
NU-B250
4x250ml



Bio-Lids
NU-L250

| Type of Tube | Part # | Description | Qty | Model: NU-C200V | Model: NU-C200R | |
|-------------------------------------|----------|---|---|---------------------|---------------------|----|
| Collection Tubes (5-7ml) Set of 4 | NU-1T5 | Insert 15 x 5ml blood collection tube (Set of 4) | 60 | 4500 RPM 4080 xg | 4800 RPM 4650 xg | |
| Collection Tubes (10-15ml) Set of 4 | NU-1T10 | Insert 12 x 10ml blood collection tube (Set of 4) | 48 | | | |
| Conical Tubes (15ml) Set of 4 | NU-1T15C | Insert 7 x 15ml conical tube (Set of 4) | 28 | | | |
| Conical Tubes (50ml) Set of 4 | Lids | NU-1T50CL | Insert 3 x 50ml conical tube (Set of 4) | | | 12 |
| | | NU-1T50SL | Insert 3 x 50ml self-stand tube (Set of 4) | | | 12 |
| | No Lids | NU-1T50C* | Insert 4 x 50ml conical tube (Set of 4) | | | 16 |
| | | NU-1T50S* | Insert 4 x 50ml self-stand tube (Set of 4) | | | 16 |
| Bottles | 100ml | NU-1T100 | Insert 1 x 100ml round bottom bottle (Set of 4) | | | 12 |
| | 200ml | NU-1T200 | Insert 1 x 200ml round bottom bottle (Set of 4) | 4 | | |

*Inserts cannot be used with bio-containment lids

Accessories



NU-RA24-2



NU-RA30-2



NU-RA48-2



NU-RA16-5



NU-RA30-15



NU-RA8-50



Rotor NU-RHDW
Buckets NU-BH-DW
Bio-Lid NU-LH

| Type of Tube | Part # | Description | Qty | Model: NU-C200V | Model: NU-C200R |
|----------------------|------------|--------------------------------|-----|-----------------|-----------------|
| Microtubes (1.5/2ml) | NU-RA24-2 | Angular Rotor 24 x 1.5/2ml 45° | 24 | 15300 RPM | 18000 RPM |
| | | | | 22380 xg | 30980 xg |
| | NU-RA30-2 | Angular Rotor 30 x 1.5/2ml 45° | 30 | 15300 RPM | 16000 RPM |
| | | | | 25350 xg | 27720 xg |
| | NU-RA48-2 | Angular Rotor 48 x 1.5/2ml 45° | 48 | 14000 RPM | 15500 RPM |
| | | | | 21720 xg | 26620 xg |
| Microtubes (5ml) | NU-RA16-5 | Angular Rotor 16 x 5ml 45° | 16 | 13200 RPM | |
| | | | | 21000 xg | |
| Conical Tubes (15ml) | NU-RA30-15 | Angular Rotor 30 x 15 37° | 30 | 3500 RPM | 5100 RPM |
| | | | | 3162 xg | 4061 xg |
| Conical Tubes (50ml) | NU-RA8-50 | Angular Rotor 8 x 50ml 25° | 8 | 10700 RPM | 12100 RPM |
| | | | | 13000 xg | 16660 xg |

| Type of tube | Part # | Description | Qty | Model: NU-C200V | Model: NU-C200R |
|--------------------|------------------------------|--------------------|-----|---------------------|---------------------|
| 96 Well Plate | NU-RHDW NU-BH-DW NU-LH | Microplate Rotor | 8 | 4500 RPM 3531 xg | 5100 RPM 4537 xg |
| Cell Culture Plate | | Microplate Buckets | 8 | | |
| Deep Well | | Microplate Lids | 2 | | |

Packages



| Part # | Description | Model | Package Includes |
|-----------------|---|----------|---|
| C200G214 | 1.0L Cell Culture Option Package | NU-RX250 | 4x250ml Swing Out Rotor |
| | | NU-B250 | Set of 4 Round Buckets |
| | | NU-1T15C | Set of 4 inserts for 15ml conical tubes |
| | | NU-1T50C | Set of 4 inserts for 50ml conical tubes |
| | | NU-RS2 | Rotor stand |
| C200G216 | 2.0L Cell Culture Option Package | NU-RX500 | 4x500ml Swing Out Rotor |
| | | NU-B500 | Set of 4 Round Buckets |
| | | NU-2T15C | Set of 4 inserts for 15ml conical tubes |
| | | NU-2T50C | Set of 4 inserts for 50ml conical tubes |
| | | NU-RS2 | Rotor stand |
| C200G215 | 1.0L Clinical Processing Option Package | NU-RX250 | 4x250ml Swing Out Rotor |
| | | NU-B250 | Set of 4 Round Buckets |
| | | NU-1T5 | Set of 4 inserts for 5ml collection tubes |
| | | NU-1T10 | Set of 4 inserts for 10/15ml collection tubes |
| | | NU-RS2 | RS2 Rotor stand |
| C200G217 | 2.0L Clinical Processing Option Package | NU-RX500 | 4x500ml Swing Out Rotor |
| | | NU-B500 | Set of 4 Round Buckets |
| | | NU-2T5 | Set of 4 inserts for 5ml collection tubes |
| | | NU-2T10 | Set of 4 inserts for 10/15ml collection tubes |
| | | NU-RS2 | RS2 Rotor stand |

Complete Your Laboratory

NuAire offers a variety of Laboratory Equipment to meet the needs of the research, vivarium, pharmacy, environmental laboratory and more. Join the NuAire family and complete your lab with complementary NuAire Quality products.



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Contracts, GPO's and much more! NuAire has a variety of Contracts set up through Group Purchasing Organizations, Government Associations, Health Systems, Universities and much more.



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