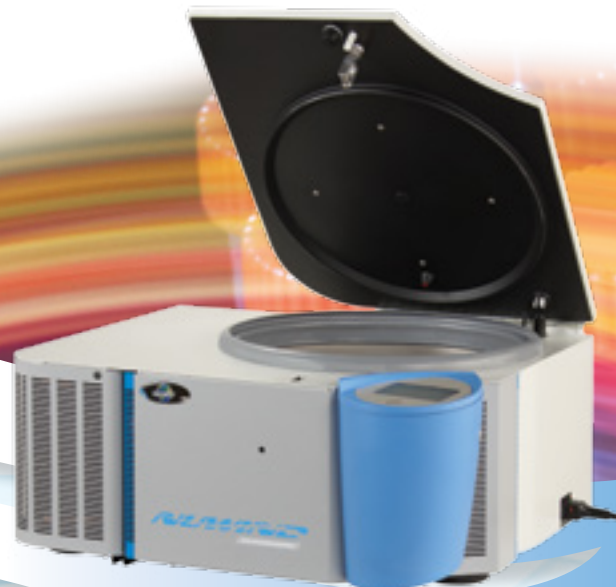


NUAIRE

MULTI-APPLICATION CENTRIFUGE

A Better Way to Separate



General Purpose Centrifuge



NU-C200V VENTILATED MULTI-APPLICATION CENTRIFUGE



NU-C200R REFRIGERATED MULTI-APPLICATION CENTRIFUGE



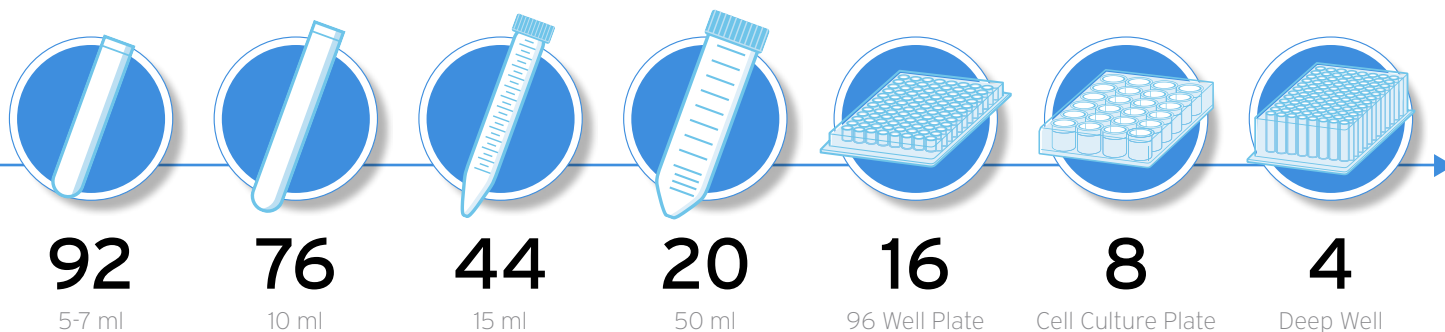
Smaller in Size, but **BIG** on Capacity

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

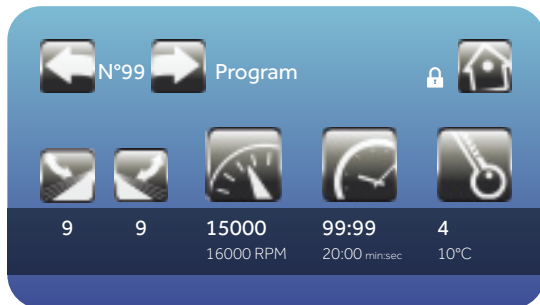
In addition to an audible alarm, the InSight Control Center features an end of cycle light that illuminates when centrifugation ceases operations providing a visual indication it is safe to remove your work.

InSight Electronic Control Center

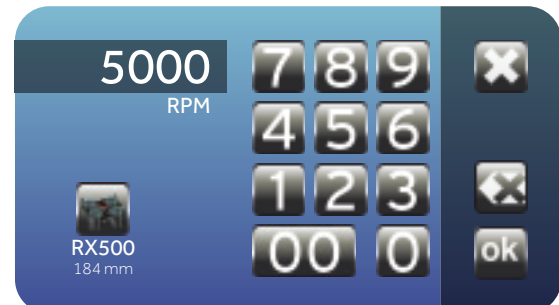
Because simplicity and user-friendliness are keywords when it comes to laboratory equipment, we have redefined these concepts by developing the InSight Electronic Control Center (ECC). InSight ECC is a plug-and-play control center housing the brains of the machine. The ECC is designed with a touchscreen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



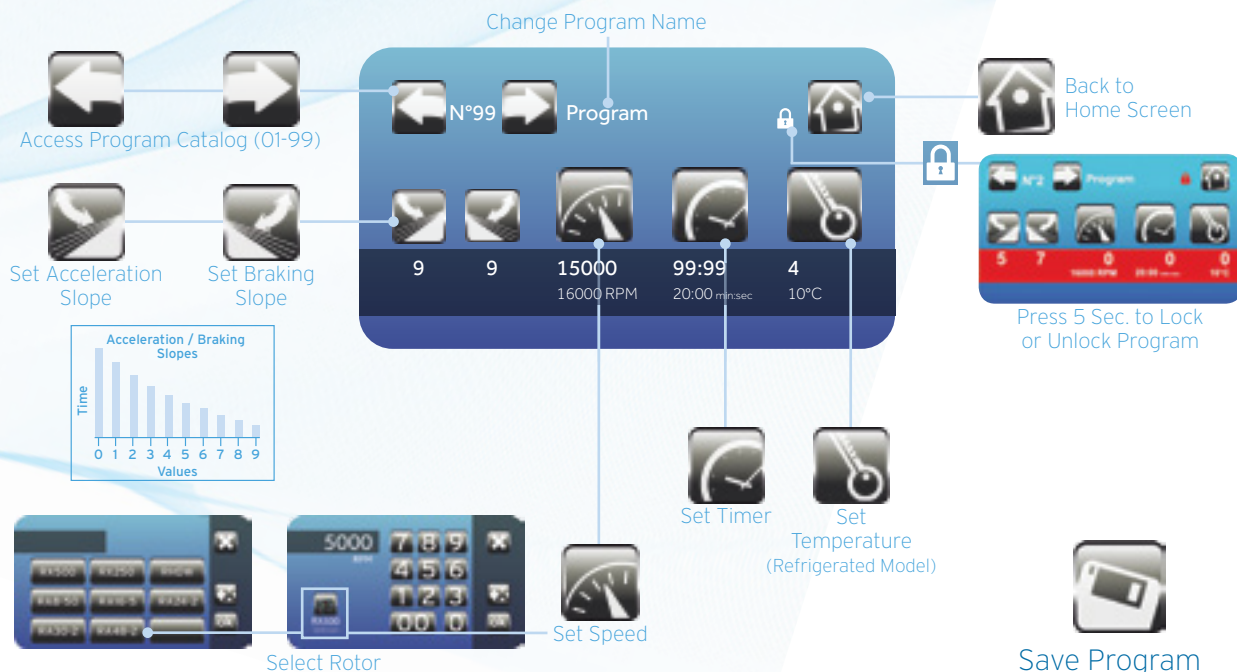
Main Screen



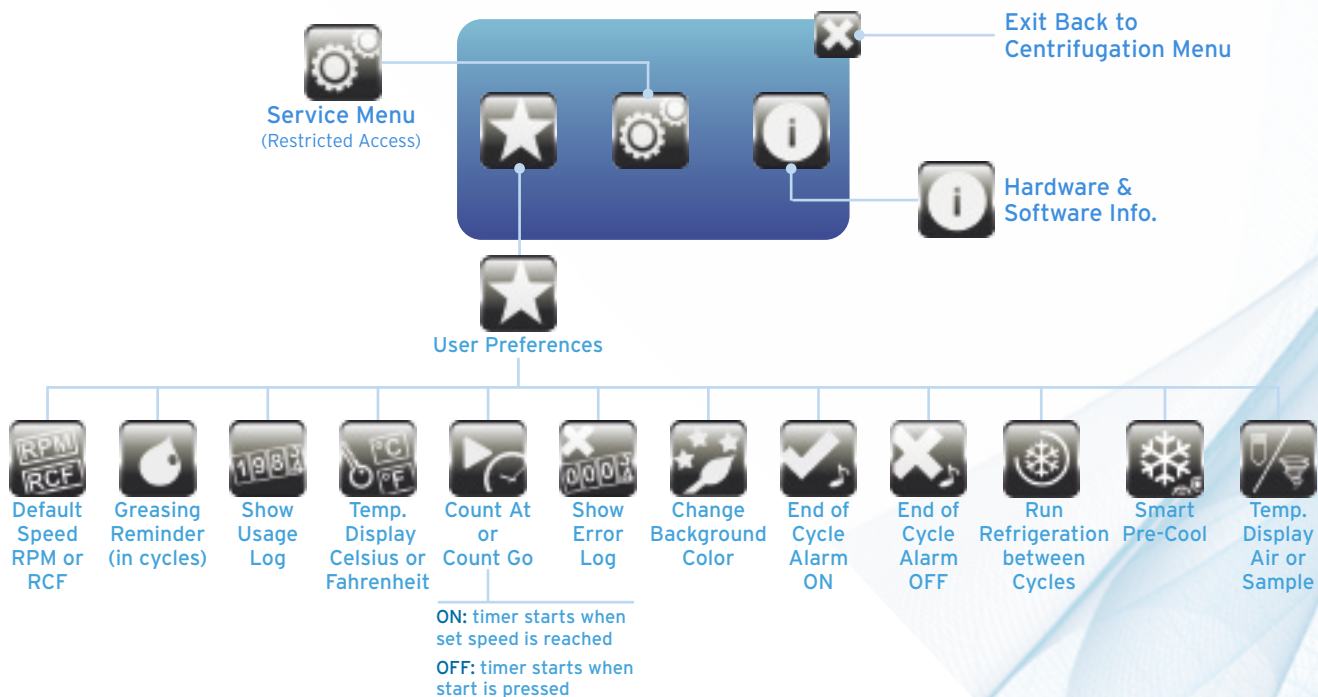
Entry Screen

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

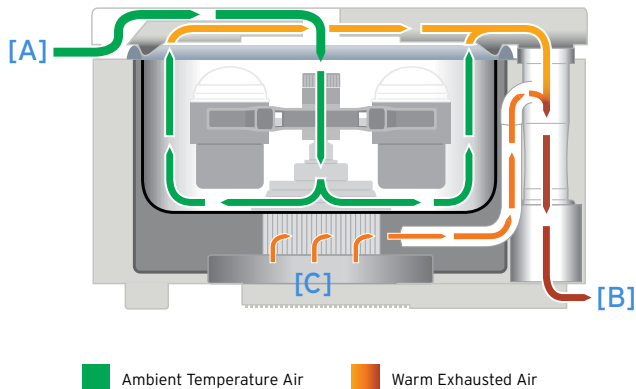
Gently open and lock the centrifuge lid with an automatic locking mechanism to keep your laboratory safe during operation.



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 \pm 10% 60 Hz 230 V \pm 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	\leq 60 dB(A)





Description	Model NU-C200R
Maximum capacity	4x625 ml x kg / bucket, 4 x buckets
Supply Voltage (Depending on the Model)	115 V \pm 10% 60 Hz 230 V \pm 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	\leq 55 dB(A)



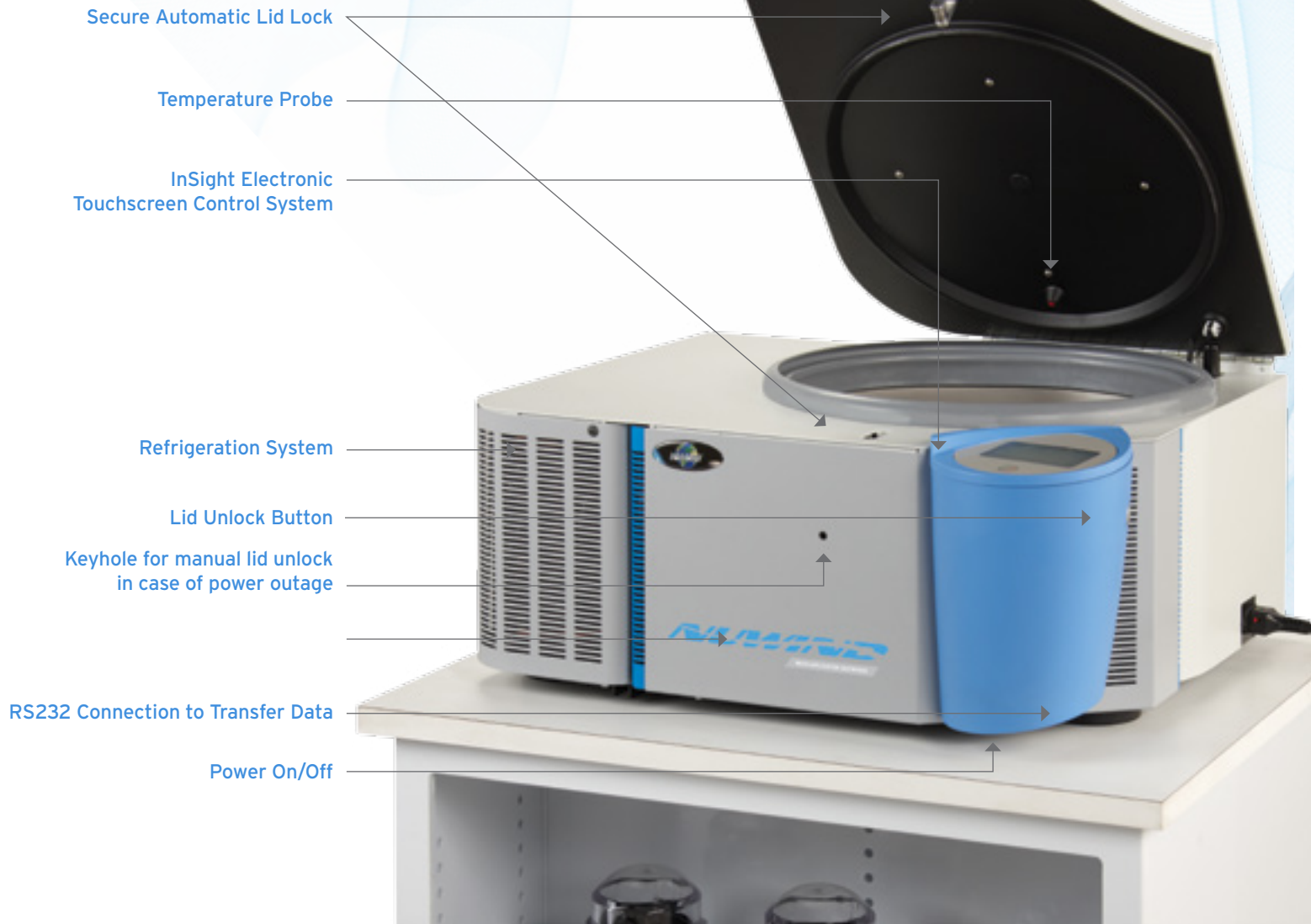
Safety Features

- 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



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

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LABGARD
Biological Safety Cabinets



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Microcentrifuges



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**Polypropylene Fume Hoods
and Casework**



Custom Solutions

Delivering product to the customer that is cost effective exceeds their requirements, delivers product on-time, and increases productivity and profitability.

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