

Tabletop Micro Ultracentrifuge

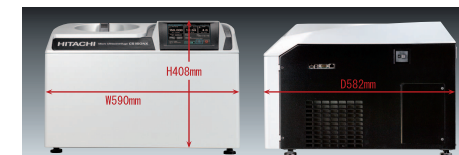
himac State-of-the-Art Technology for Easy Operation

The world's fastest speed : 150,000rpm / The world's greatest RCF : 1,050,000xg *

himac centrifuge technologies have realized the above greatest performance and the quietest operating sound "45dBA" in its the most compact body*. CS150NX takes only 90 seconds to reach the world's fastest speed 150,000rpm by himac original vacuumed drive unit. Now you can separate and purify protein, lipoprotein, cell organelle, DNA and RNA, also carbon nano tubes, more efficiently than ever.

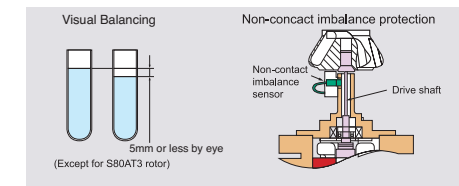
The Most Compact Body

The most compact body* (590(W) x 582(D) x 408(H) mm) does not occupy a laboratory table. CS150NX carries the world's greatest performance and many attractive and useful functions in its the most compact body*. Rotor chamber is allocated in a front part of the body with smooth sliding door, so that it is easy for operators to place a rotor. Touch-sensitive LCD panel with wide view angle is placed at a position and an angle for easy operation.



Powerful Imbalance Protection

Samples need to be balanced within 5mm by visual check only. Non-contact imbalance sensor always monitors vibration of the rotor and drive shaft. In case of abnormal vibration, the sensor activates and stops operation immediately.



Easy Operation with Touch-Sensitive LCD

Colour touch-sensitive LCD and GUI (graphic user interface) with high contrast against back screen in black color enable users to easily operate the system or select various menus and functions by touching the icon on the display. Of course, operation status is identified at a glance by intelligible screen design.



Quick Start-Up

It takes just 8 seconds (minimum) to be ready for operation since power switch is turned on. Initial screen is displayed on the LCD panel during booting up the system.



USB Interface (compatible to GLP/GMP)

USB port is equipped as standard specification. Operating data can be output in CSV format. LAN port is also selectable. (option)

Specifications

Model	CS150NX
Maximum speed (rpm)	150,000
Maximum RCF (x g)	1,050,000 (S140AT rotor)
Speed control accuracy (rpm)	+/-50 (5,000 - 150,000)
Nominal capacity	30ml x 6 tubes (S50A rotor)
Nominal capacity (Swinging bucket rotor)	7ml x 4 tubes (S50ST rotor)
Timer	1 min. to 99 hrs. and 59 min. with HOLD function, with RTC function
Rotor temp. control range (°C)	0 to +40 (1 degree increments)
Rotor cooling method	Thermo-module cooling system (HFC free)
Rotor setting method	Self locking system
Screen display	Colour LCD (touch-sensitive)
Operational noise (dB(A))	45 (1m front)
Heat radiation rate (kw)	0.7
Drive unit warranty	5 years
Dimensions (mm)	590 (W) x 582 (D) x 408 (H)
Footprint (m²)	0.50 (850 x 590)
Weight (kg)	97
Power requirements	AC220V, 230V, 240V +/-10% (50/60Hz)
Standard accessories	Single phase, 8A (Maximum)
Standard	IEC61010-2-020, EN61326
	CE Marking qualified

Appearance



Top View



Front View



Side View

himac CS150NX

The Greatest Performance and the quietest operating sound
in the most compact body

