## MICRO-CENVAC (NB-503CIR)

Most Compact Vacuum Centrifugal Concentrator in its class. Special Infrared Glass Lid spread Heat & IR to accelerate evaporation of liquid faster in vacuumed chamber. This compact equipment is ideal in molecular biology(especially DNA), proteomics, genomics, genetics, cell biology and drug discovery labs.





Special Lid Heater with IR radiation.
With Infrared radiation, the Lid directly heat to Sample which helps evaporation even faster.

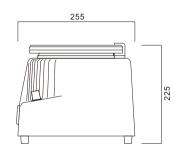


Real Scope(Standard)
Easy view of sample volume
while it is spinning fast. It looks
like sample tube is not spinning.



Built in Diaphragm vacuum pump High performance pump (NB-503CIR: MAX 100 mbar Connectable with other booster pump for higher vacuum rate.







Vacuum port Vacuuming port (Exhalation hole) is on center of shaft for low contamination.

## Accessories











RO-1.5/24

RO-30/08

RO-15/12

RO-10/16

Real Scope



## **Features**

Compact but, All built-in

Despite smallest footprint, vacuum pump and glass trap are all built-in.

Fast Evaporation Time

With using special infrared lid heater, liquid in sample is heated faster even in vacuumed chamber.

Stable Spinning and Quiet Operation

Using Blush Less DC motor, the spinning sample is conducted stably and quiet.

Easy Sample Check

Real Scope allows user to view sample or its volume remaining in tubes without stopping spin.

Teflon-Coated chamber & Diaphragm pump

Minimize corrosion by acid solvent and the pump is oil-free

Selectable RPM

Selectable a RPM mode among 1700 or 2500 or 5000 RPM even while it's spinning

LED Display

Shows Temperature & Timer count.

- CE Marked & ROHS compliance
- Cold Trap(Optional)

2Liter capacity cold trap or Peltier Trap(-20℃) for small Glass Trap available with Micro Cenvac.





## Specification

Items  Unit  NB-503CIR  Temperature  range			
range control increment increment standby  Operating panel Heat mode Display Timer  Capacity  ml,ea  Speed range range control  Vacuum pump ultimate oper, pressure  Microprocessor digital PID Microprocessor digital PID  Microprocessor digital PID  Microprocessor digital PID  Microprocessor digital PID  Microprocessor digital PID  Microprocessor digital PID  Microprocessor digital PID  Microprocessor digital PID  Microprocessor digital PID  Microprocessor digital PID  Microprocessor digital PID  Microprocessor digital PID  Microprocessor digital PID  Microprocessor digital PID  Microprocessor digital PID  Microprocessor digital PID  Notation  Touch button  IR, IR & Heat, Heat  LED Display  99Hour 59Min  1.5mlx24ea, 10mlx16ea, 0.5mlx50ea, 15mlx12ea, 30mlx8ea  Speed  Fight Touch button  IR, IR & Heat, Heat  LED Display  99Hour 59Min  1.5mlx24ea, 10mlx16ea, 0.5mlx50ea, 15mlx12ea, 30mlx8ea  Speed  Fight Touch button  Display  Timer  Diaphragm Vacuum Pump (PTFE Coating)  100mbars/abs  1.5bar/g	Items	Unit	NB-503CIR
control increment incremen	Temperature		
increment standby  Operating panel  Heat mode  Display  Timer  Capacity  ml,ea  Touch button  IR, IR & Heat, Heat  LED Display  Timer  Gapacity  ml,ea  1.5mlx24ea, 10mlx16ea, 0.5mlx50ea, 15mlx12ea, 30mlx8ea  Speed  range range control  Vacuum pump pump ultimate oper. pressure  0.1°C  No.1°C  N	range	°C	35°C to 65°C
Standby  Operating panel Heat mode IR, IR & Heat, Heat Display Timer Operating mal, ea  Speed range rpm 1700, 2500 and 5000rpm control Vacuum pump pump ultimate oper. pressure  Touch button IR, IR & Heat Heat  Touch button IR, IR & Heat IR A He	control		Microprocessor digital PID
Operating panel  Heat mode  Display  Timer  Capacity  ml,ea  In, IR & Heat, Heat  LED Display  99Hour 59Min  1.5mlx24ea, 10mlx16ea, 0.5mlx50ea, 15mlx12ea, 30mlx8ea  Speed  range range control  Vacuum  pump pump ultimate oper. pressure  Touch button IR, IR & Heat  Heat  Touch button  IR, IR & Heat  Heat  Display  1.5mlx24ea, 10mlx16ea, 0.5mlx50ea, 15mlx12ea, 30mlx8ea  Display  1.5mlx24ea, 10mlx16ea, 0.5mlx50ea, 15mlx12ea, 30mlx8ea  Display  Touch button  IR, IR & Heat  Display  Display  Display  Touch button  ID Display  Touch button  ID Display  ID Dis	increment	°C	0.1℃
Heat mode  Display Timer  Capacity  ml,ea  IR, IR & Heat, Heat  LED Display  99Hour 59Min  1.5mlx24ea, 10mlx16ea,  0.5mlx50ea, 15mlx12ea, 30mlx8ea  Speed  range range control  Vacuum pump ultimate oper. pressure  IR, IR & Heat, Heat  IR, IR & Heat, Heat  IED Display  1.5mlx24ea, 10mlx16ea,  0.5mlx50ea, 15mlx12ea, 30mlx8ea  Display  1.5mlx24ea, 10mlx16ea,  0.5mlx50ea, 15mlx12ea, 30mlx8ea  Display  1700, 2500 and 5000rpm Selector  Vacuum pump ultimate 100mbars/abs 1.5bar/g	standby		Pre-heat
Timer 99Hour 59Min  Capacity ml,ea 1.5mlx24ea, 10mlx16ea, 0.5mlx50ea, 15mlx12ea, 30mlx8ea  Speed range rpm 1700, 2500 and 5000rpm control  Vacuum pump pump ultimate oper. pressure  LED Display 1.5mlx12ea, 30mlx 1.5mlx12ea, 30mlx8ea  Disphragm Vacuum Pump (PTFE Coating) 100mbars/abs 1.5bar/g	Operating panel		Touch button
Timer  Capacity  ml,ea  1.5mlx24ea, 10mlx16ea, 0.5mlx50ea, 15mlx12ea, 30mlx8ea  Speed range rpm  1700, 2500 and 5000rpm Selector  Vacuum pump ultimate oper. pressure  99Hour 59Min 1.5mlx24ea, 10mlx16ea, 0.5mlx50ea, 15mlx12ea, 30mlx8ea  1700, 2500 and 5000rpm Selector	Heat mode		IR, IR & Heat, Heat
Capacity  ml,ea  1.5mlx24ea, 10mlx16ea, 0.5mlx50ea, 15mlx12ea, 30mlx8ea  Speed  range control  Vacuum pump pump ultimate oper. pressure  1.5mlx24ea, 10mlx16ea, 0.5mlx12ea, 30mlx8ea  1700, 2500 and 5000rpm Selector  Diaphragm Vacuum Pump (PTFE Coating) 100mbars/abs 1.5bar/g	Display		LED Display
Speed range rpm 1700, 2500 and 5000rpm control Selector  Vacuum pump mbar Diaphragm Vacuum Pump (PTFE Coating) ultimate 0per. pressure 1.5bar/g	Timer		99Hour 59Min
Speed range rpm 1700, 2500 and 5000rpm control Selector  Vacuum pump mbar Diaphragm Vacuum Pump (PTFE Coating) ultimate 100mbars/abs oper. pressure 1.5bar/g	Capacity	ml,ea	1.5mlx24ea, 10mlx16ea,
range rpm 1700, 2500 and 5000rpm Selector  Vacuum pump mbar Diaphragm Vacuum Pump (PTFE Coating) ultimate 100mbars/abs oper. pressure 1.5bar/g			0.5mlx50ea, 15mlx12ea, 30mlx8ea
control  Vacuum  pump  ultimate  oper. pressure  Selector  Diaphragm Vacuum Pump (PTFE Coating)  100mbars/abs  1.5bar/g	Speed		
Vacuum       pump     mbar       ultimate     100mbars/abs       oper. pressure     1.5bar/g	range	rpm	1700, 2500 and 5000rpm
pump Diaphragm Vacuum Pump (PTFE Coating) ultimate 100mbars/abs oper. pressure 1.5bar/g	control		Selector
ultimate 100mbars/abs oper. pressure 1.5bar/g	Vacuum		
oper. pressure 1.5bar/g	pump	mbar	Diaphragm Vacuum Pump (PTFE Coating)
· · ·	ultimate		100mbars/abs
atm. pressure 6.5lit/min	oper. pressure		1.5bar/g
	atm. pressure		6.5lit/min
<b>Dimensions</b> mm 213(W)x255(D)x225(H)mm	Dimensions	mm	213(W)x255(D)x225(H)mm
<b>Power</b> V/Hz 110/220V, 50/60Hz, 210W	Power	V/Hz	110/220V, 50/60Hz, 210W
Weight kg 9.5kg	Weight	kg	9.5kg