

## MICRO-CENVAC (NB-503CIR)

Compact size IR vacuum concentrator, MICRO-CENVAC is ideal to concentrate DNA or RNA. Infrared Red (IR)-emitting glass lid ensures uniform and rapid concentration of samples via heat transfer under vacuum conditions.



IR-emitting plate lid  
Generated infrared rays from IR GLASS RID improve concentration speed efficiently in vacuum condition.



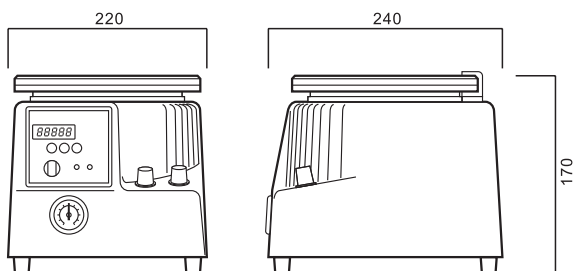
Real scope <optional>  
Easily check residual quantity without opening the lid during experiment.



Built in Diaphragm vacuum pump  
High performance pump (NB-503CIR: MAX 160 mbar, NB-504CIR: MAX 80 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 \* The detail on accessories is written at the end of section.

RO-1.5/24	RO-30/08	RO-15/12	RO-10/16	Real Scope	

## Features

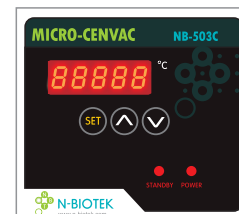
- **Transparent IR-EMITTING CLASS LID**  
Infrared rays from IR GLASS LID improve concentration speed efficiently under vacuum conditions. The transparent glass lid allows you to watch inside chamber. Real scope allows you to check the residual sample without stop.
- **No cross-contamination, No sample loss**  
The contamination and sample loss is minimized because the exhalation hole for vacuum is located on the top of the shaft.
- **Built-in vacuum pump**  
Teflon-coated diaphragm pump is not required to refill or exchange vacuum oil.
- **Stand-by Function**  
For efficient experiment, wanted temperature can be set ahead of running.
- **BL/DC Induction driving**  
Built in Magnetic induction-drive provides maintenance free, low noise and vibration.
- **Centrifugal Function**  
Up to 5,000 RPM

Concentration time is more than double faster than general vacuum concentrator due to the Infrared ray.

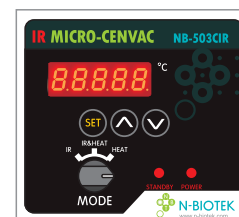
Solvent	Sample Vol.	Tube Type	Temperature	Dry Time
Hexane	80ml	30ml	40°C	50 min
Water	18ml	1.5ml	50°C	4 hrs
Methanol	96ml	10ml	40°C	58 min

(It can be changed by the material/condition of Tube)

\*The result is same with MAX-UP(NB-504CIR), DNA-VAC(NB-502CIR) applying IR-function.



NB-503C



NB-503CIR



## Specification

Items	Unit	NB-503C	NB-503CIR
<b>Temperature</b>		Ambient +5°C to 70°C	
range	°C	Microprocessor digital PID	
control		0.1°C	
increment	°C	Pre-heat	
standby			
<b>Operating panel</b>		Touch button	
<b>Function</b>		Heater	IR, IR & Heat, Heat
<b>Display</b>		5 digit LED	
<b>Capacity</b>	ml,ea	1.5ml micro-tube x 12ea	1.5ml x 24ea, 10ml x 16ea, 15ml x 12ea, 30ml x 8ea
<b>Speed</b>		1700, 2500 and 5000rpm	
range	rpm	Selector	
control			
<b>Vacuum</b>		Diaphragm Vacuum Pump (PTFE Coating)	
pump	mbar	160mbars/abs	
ultimate		2.5 bar/g	
oper. pressure	bar/g	5.5 lit/min	
atm. pressure	lit/min		
<b>Dimensions</b>	mm	220(W) x 240(D) x 170(H)mm	
<b>Power</b>	V/Hz	110/220V, 50/60Hz	
<b>Weight</b>	kg	5kg	7kg