

# IR CONCENTRATOR

## DNA-VAC (NB-502CIR)

DNA-VAC can be used in various experiments for micro-protein or molecular structure. The required substances are extracted by concentrating DNA or RNA, Amino acids, Hormones, Enzymes, Protein in a short time by using vacuum pump and indirect Infrared ray. DNA Pellet is collected into the top of tube evenly in the experiment to blend Ethanol with the samples in Microgram units in a very short time.



Vacuum port is on the center of rotor to make contamination to be minimized.

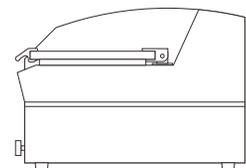
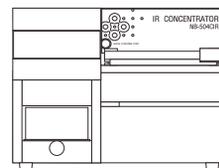


IR-emitting glass lid shortens the time of concentration.

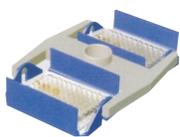


Chemical-proof Diaphragm vacuum pump is built in the equipment

### dimensions



### Accessories



RO-96 WELL



RO-1.5/60



RO-1.5/132



RO-15/12



RO-50/08

## Features

- **New IR-emitting plate Glass Lid**  
With the use of infrared ray, the sample can be concentrated efficiently in a vacuumed chamber in a short time. The special glass has the endurance against chemicals.
- **Brushless D.C motor**  
Induction motor makes almost no noise & vibration. Also, maintenance is not required because it is not necessary to replace brush.
- **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.
- **Wide selection rotor**  
Few micro-liters up to 50ml tube hold at once and plate rotor holds two 96 well micro-titer plate, simply interchangeable.
- **Compact, bench-top model**  
Built-in chemical free diaphragm vacuum pump is suitable for individual researchers with limited space.
- **Intergrated Evaporation System**  
( 8Mbar Diaphragm Vacuum Pump + -50°C Cold Trap + Chamber & Lid Heater)

## Specification



Items	Unit	DNA-VAC(NB-502CIR)
<b>Temperature</b>		
range	°C	Ambient +5°C to 80°C
control		Microprocessor digital PID
increment	°C	Pre-heat
standby		
<b>Operating panel</b>		Touch button
<b>Heating mode</b>		Selectable 3 mode IR/IR & Heat/Heat
<b>Display</b>		5 digit LED
<b>Timer</b>		99Hour 59Min
<b>Capacity</b>	ml,ea	1,5ml micro-tubex132ea 15ml tubex12ea, 50ml tubex8ea, 96 well micro-titer platex2ea
<b>Speed</b>		
range	rpm	Max. up to 2,000rpm
<b>Vacuum</b>		
pump		Chemical resistant PTFE coated Diaphragm pump
ultimate pressure	mbar	8mbar
gauge		Analog vacuum gauge
<b>Dimensions</b>	mm	670(W)x685(D)x480(H)mm
<b>Power</b>	V/Hz	110/220V, 50/60Hz