

DNA-VAC (NB-502CIR)

DNA-VAC can be used in the experiment of 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 far Infrared ray. DNA Pellet is collected into the top of tube even in the experiment to blend Ethanol with the samples in Microgram units in a very short time.



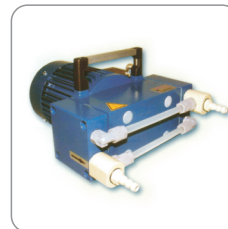
Vacuum port is on the center of rotor to make contamination to be minimized.



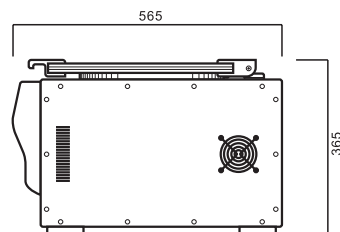
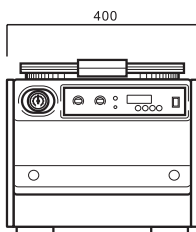
IR-emitting<InfraRed> glass lid shortens the time of concentration.



Real scope(option)
It is invented to check the remaining amount of sample simultaneously with operation without stopping concentrator.



Chemical-proof Diaphragm vacuum pump is built in the equipment



Accessories * The detail on accessories is written at the end of section.

RO-96 WELL	RO-1.5/58	RO-15/12	RO-50/08	Real Scope	

Features

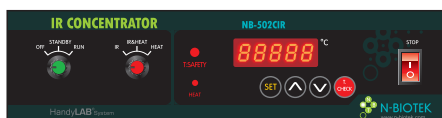
- New IR-emitting plate Glass Lid**
With the use of infrared ray, the sample can be concentrated efficiently in a vacuumed chamber in a short time. The special glass has the endurance against chemicals.
- Brushless D.C motor**
Induction motor makes almost no noise & vibration. Also, maintenance is not 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.

The concentrating time is 1.5 times faster than general vacuum concentrator because Infrared rays higher the rate of evaporation.

Solvent	Sample Size	Tube Type	Number of Tube	Temperature	Dry Time
Water	1ml	1.5ml	132 hole	60°C	160 min
Methanol	1ml	1.5ml	132 hole	60°C	39 min
Acetonitrile	1ml	1.5ml	132 hole	60°C	20 min

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

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



Specification



Items	Unit	DNA-VAC(NB-502CIR)
Temperature		
range	°C	Ambient +5°C to 80°C
control		Microprocessor digital PID
increment	°C	0.1°C
standby		Pre-heat
Operating panel		Touch button
Heating mode		Selectable 3 mode IR / IR & Heat / Heat
Display		5 digit LED
Capacity	ml,ea	1,5ml micro-tube x 58ea 15ml tube x 12ea, 50ml tube x 8ea, 96 well micro-titer plate x 2 ea
Speed		
range	rpm	Max. up to 2,000rpm
Vacuum		
pump		Chemical resistant PTFE coated Diaphragm pump
ultimate pressure	mbar	9 mbar
gauge		Analog vacuum gauge
Dimensions	mm	400(W) x 565(D) x 365(H)mm
Power	V/Hz	220V/60Hz