

IR CONCENTRATOR

MAX-UP (NB-504CIR)

IR CONCENTRATOR is high efficient concentration equipment to study micro-protein or molecular structure, extracted DNA or RNA.

The required samples are extracted by concentrating DNA or RNA, Amino acids, Hormones, Enzymes, Protein in a short time by using vacuum pump and far Infrared ray.



Vacuum port is located at the center of rotor for minimal contamination.



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

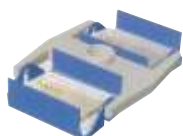


-20°C Cold Trap & 2 Liter Bottle



Chemical-proof Diaphragm vacuum pump is built in the equipment.

Accessories



RO-96 WELL



RO-1.5/60



RO-1.5/132



RO-15/12



RO-50/08



RO-250/04

Features

- **IR-emitting Plate Glass lid (Patent No.10-0616063)**
With the use of infrared ray, the sample can be concentrated efficiently in a vacuumed chamber in a short time.
- **Designed for heat-sensitive sample**
It is available for the wide range of heat sensitive materials such as proteins and other organic substances.
- **Two-point Temperature Sensors**
Two temperature sensors in the chamber and bucket provide efficient concentration.
- **Detector to check unbalance of rotor**
The detector checks the unbalance of rotor caused by the different quantities of remaining samples during concentrating. The function ensures the environment of experiment is in a safety.
- **Pre-heating mode**
Pre-heating function allows to shorten experiment time by setting the temperature prior to use.
- **No cross-contamination, No sample loss**
The contamination and sample loss is minimized because the exhalation hole for the vacuum is located on the center of the shaft.
- **Compact & Mobile System**
Chemical free diaphragm vacuum pump and Cold trap is built-in the equipment.
It's suitable for individual researchers with limited space.



Specification

Items	Unit	MAX-UP (NB-504CIR)
Temperature		
range	℃	+4℃ to 80℃
control		Microprocessor digital PID
increment	℃	0.1℃
standby		Pre-heat
Operating panel		Touch button
Heating mode		Selectable 3 mode IR/IR & Heat/Heat
Display		LED Display
Capacity	ml,ea	1.5ml micro-tubex132ea 15ml tubex12ea, 50ml tubex8ea, 250ml tubex4ea 96 well micro platex2ea
Speed		
range	rpm	Max. up to 1,500rpm
Vacuum		
pump		Chemical resistant PTFE coated Diaphragm pump
ultimate pressure	mbar	2 mbar
gauge		Analogue vacuum gauge
Cold trap		-20℃ , 2 liter Trap
Dimensions	mm	600(W)x630(D)x1085(H)mm
Power	V/Hz	110/220V, 50/60Hz
Weight	kg	138kg