

## CO<sub>2</sub> INCUBATOR & ROLLER/SHAKER (NB-203QR/NB-203QS)

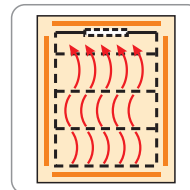
It is available not only to compare the result but also to conduct both shaking culture and general culture synchronically because users can conduct the incubation in different conditions with the same incubator.



NB-203QR



NB-203QR Inside



**IR PLATE**  
Six-sides heating chamber keeps temperature uniformity in the chamber and reduces potential condensation as well as ensure the precise control of temperature.



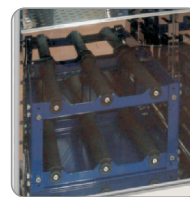
Natural air circulation passing through shelves



Round corner for easy-clean.



Safety Switch



Roller culture

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



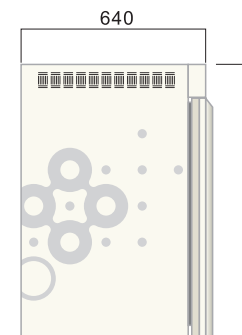
GAS Regulator



CO<sub>2</sub> Analyzer



SHELVE



## Features

- Natural convection circulation**  
Air circulation like natural air-convection keeps the temperature uniformity and CO2 rate in the chamber
- Quite, vibration-free operation**  
Low noise and vibration from shaker or roller apparatus.
- Co2 incubation with roller culture (NB-203QR)**  
Both of General CO2 Incubating and roller CO2 incubating can be performed simultaneously.
- Co2 incubation with shaking (NB-203QS)**  
Both of General CO2 Incubating and shaker CO2 incubating can be performed simultaneously.
- Roller culture handles minimum of 4 bottles**  
Up to 4 bottles (Φ80, 150mm ~ 300) can be equipped (Roller Culture)
- Shaking handles minimum 250ml x 13**  
In case of 250ml, up to 13 holders can be equipped on the plate (100 ~ 2,000 ml flask holder, spring wire rack and micro-plate rack)
- Saves bench-top and incubator shelf space**  
Bench-top style save space, 2 selves (up to 6 shelves) provide enough space for general incubating.



## Specification

Items	Unit	NB-203QR	NB-203QS
<b>Temperature</b>			
range	°C	Ambient +5°C to 60°C	
accuracy	°C	±0.1°C at 37°C	
increment	°C	0.1°C	
<b>CO2</b>			
range	%	0% to 20%	
accuracy	%	±0.1% at 5% / 37°C	
increment	%	0.1%	
control		Microprocessor digital	
<b>Speed</b>		Roller apparatus	Shaker
range	rpm	0.1 rpm to 5 rpm	30 rpm to 300 rpm ( standard type)
accuracy	%	±0.1%	0 rpm to 100 rpm ( low speed type)
increment	rpm	0.1 rpm	1 rpm
control		Microprocessor digital	
<b>Time</b>			
range	hr	∞ or up to 999 hr	∞ or up to 48 hours
memory(running)	hr	Running Time	
<b>Door</b>			
outer		Silicon packing magnet door	
inner		Tempered safety glass door	
<b>Display</b>		5 digit LED x 3	
<b>Jacket type</b>		dry wall type (6 sides heat)	
<b>Chamber material</b>		Stainless steel(#304)	
<b>Chamber volume</b>	liter	179 liters	
<b>Number of shelves</b>		2 stair roller + shelves	1 platform + shelves
<b>Chamber dimension</b>	mm	475(W) x 530(D) x 713(H)mm	
<b>Overall dimension</b>	mm	560(W) x 640(D) x 930(H)mm	
<b>Power</b>	V/Hz	220V/60Hz	