

# Tube Revolver

D-6049/ D-6050

User's Manual



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## 1. Introduction

Thank you for purchasing neoLab Tube Revolver. The unit is designed to mix reagent, solution and other chemical substances for purpose of research in medical science, biological engineering, chemical science, and pharmaceuticals industry. Tube Revolver is presented with simplicity of appearance, and has been through precise manufacturing technique and strict quality control to guarantee stable operation, precise control and reliable quality, and be in compliance with the international standards of safety and environmental protection.

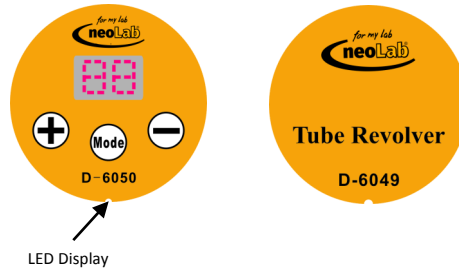
## 2. Features

- Various types of paddle enclosed
- Selection of reciprocating or rotating operation mode
- Variable speed regulating
- LED indication of speed
- Manual rotating direction change in simplified series

## 3. Specifications

Model	D-6049	D-6050
Rotation Speed	18rpm	10-40rpm
Capacity	42×0.5ml/0.8ml tubes, 30 × 1.5ml/2.0ml tube, 14×5ml/7ml tubes, 14×10ml/15ml tubes, 6×50ml tubes	
Ambient Temperature	4 °C~60 °C	
W×D×H	22.5×14.8×19.5cm	26×14.8×19.5cm
Speed Control	Fixed	Keystroke
Operation Mode	Rotating	Rotating / Reciprocating
Indication	NA	LED
Power	4W	10W
Weight	≤0.8kg	≤1kg
Mains	220V 50Hz	100~240V 50/60Hz

#### 4. Panel Instruction



1. "+" Speed-up
2. "-" Slow-down
3. "Mode" Selection of operation mode
4. LED To show the settings and working status

## 5. Operation Instructions

### • Tube Revolver with Fixed Speed

1. Make sure the environment and power supply are correct, connect the power plug to the outlet, and install the rotisserie axle.
2. Mount the tube rack on the rotisserie axle.
3. Place the O rings into the groove on the rotisserie axle.
4. Load the tubes onto the tube rack, and make sure they match perfectly.
5. Turn on the power switch.

Note: \* You can reverse rotation by pushing the rotisserie to the opposite direction.

\*\* 50ml tube rack could be installed with or without the rotisserie axle.



### • Tube Revolver with Variable Speed and Digital Display

1. Install the rotisserie with reference to Point 6 in the manual "Rotisserie Installation".
2. Mount the corresponding tube on the rotisserie.
3. Turn the main switch to "on".
4. Switch the operation mode between "rotating" and "reciprocating" by pressing "Mode" button.
5. Set the speed by pressing: " + ", " - " button when it is on "rotating" mode.

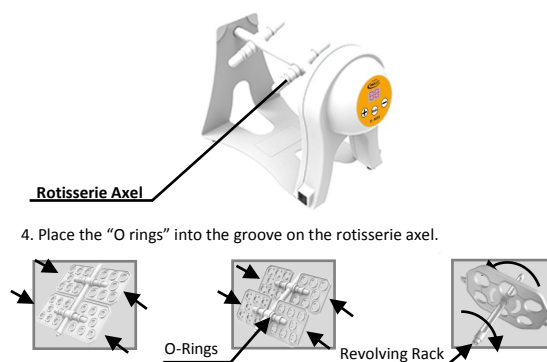


Note: \* 50ml tube rack could be installed with or without the rotisserie axle.

\*\* LED shows on "reciprocating" mode; LED shows the last speed setting value when it is on "rotating" mode

## 6. Rotisserie Installation

1. Make sure the tube revolver is not plugged in and the rotisserie is not moving when installing.
2. Hold the tube revolver housing firmly, insert one end of the rotisserie axel into the slot, turn it until it clicks into place, and insert the other one.
3. Mount the desired tube rack.



5. Load the tubes onto the tube rack.



Please follow the notes below for ensuring a long-term usage:

1. Place the tubes steady in working condition.
2. To ensure the unit work in the best condition, please reduce the load or keep the load balance if there's any noise.



## 7. Cleaning

For a safe use, please clean the tube revolver as follows:

- Unplug the power cord before cleaning
- Clean the unit by a soft damp cloth or a mild noncorrosive (pH5W8) detergent
- Do not spray on the unit
- Be sure that the unit is properly dried before operation.
- Please wear gloves when cleaning

## 8. Trouble Shooting

Error	Cause	Solution
Unit does not start	Power connection is off	Turn on the main switch or connect the power cord to the main socket
	Rotisserie Installation Error	Reinsert rotisserie into the cross recess
	Power Grid Error	Contact the electric company
	Fuse Open	Change Fuse after unplugging the power cord

In cases of further technical problems please contact your dealer or the address on the back of user's manual

### 9. Package Content

NO.	Description	Model	Qty	Remark
1	Machine		1	
2	Operator's Manual		1	
3	Rotisserie for 10ml/15ml tubes		2	For rotisserie axel
4	Rotisserie for 5ml/7ml tubes		2	
5	Rotisserie for 1.5ml/2ml tubes		2	
6	Rotisserie for 0.5ml/0.8ml tubes		2	
7	Rotisserie Axel		1	For revolving rack
8	Rotisserie for 50ml tubes		1	
9	Revolving Rack			
10	Power adaptor	24V, 1A	1	
11	O Ring		10	

### 10. Guarantee Card

Please save this card carefully. When you need service, contact the service company with card & invoice

Guarantee Card			
User Name		Telephone	
Address			
Zip Code		E-mail	
Product Name		Model	
Serial Number		Purchase Date	
<ul style="list-style-type: none"> <li>● Warranty Scope : Warranty period is 12 months from purchase date.</li> <li>● Warranty is not valid under the following circumstances:               <ol style="list-style-type: none"> <li>1. Warranty term is expired.</li> <li>2. Damage due to improper use, maintenance or handling.</li> <li>3. Loss or modification of receipt or certificate.</li> <li>4. Unmatched serial numbers or modification of serial numbers.</li> </ol> </li> </ul>			





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