

How to use of ultra centrifuge model L8-70M

Sample volume:

When using thin tubes (swing rotor), fill the tube with sample up to about 2-3 mm from the top.

When using a thick tube (angle rotor), more than half the tube volume is required.

Caution
UC Tubes cannot be autoclaved.
Ethanol cannot be used in PC bottles.

1. Adjust the balance of weight of sample. Set it in the rotor symmetrically
When balancing, the weight of the cap and the bucket is included.
When using a swing rotor, also hang an empty bucket.
2. The main body breaker is turned on. (The under of front panel)
3. The door is opened. The rotor is put on the axis.(Do not put a strain in the axis.)
The door is closed.
4. The [VACUUM] button is pushed, and the chamber is made a vacuum.
5. The [SPEED] button is pushed.
After the rotational speed is input, fixes it with [ENTER] button.
(Please push the [CE] button when you make a mistake in the input.)
6. The [TIME] button is pushed. After time is input, [ENTER] button is pushed.
(It counts down immediately after the start.)
7. The [TEMP] button is pushed. After temperature is input, [ENTER] button is pushed.
8. The [ACCEL] button is pushed.
The degree of acceleration is selected. (Refer to a table)
(Please select 4 or 7 at the swing rotor use.)
9. The [DECEL] button is pushed.
The degree of deceleration is selected. (Refer to a table)
(Please select 4 or 7 at the swing rotor use.)
10. When the value of vacuum becomes 750micron,
it is possible to start.
Push [START] button after pushing [ENTER] button
to start centrifuging.
Stay nearby until reaches maximum RPM.
If an abnormality occurs, immediately press [Stop] and evacuate.

4 is used usually.

Number	Rotational speed	Arrival time
1	170	2:00
2	350	2:40
3	500	3:00
4	170	3:00
5	350	4:00
6	500	4:30
7	170	4:00
8	350	5:20
9	500	6:00

Additionally, "MAX SPEED"
and "NO BRAKE" can be selected.

After centrifugal finishes

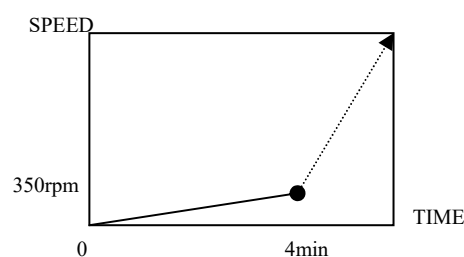
11. The [VACUUM] button is pushed.
Air is enter in the chamber.
12. Open the door when the sound that air enters stops.
The rotor is taken out.
13. The main body breaker is turned off.

Please fill in the note after use.

Please wash the rotor, the bucket, and the cap
in distilled water.

When you want to set the temperature beforehand...

Make the chamber to the vacuum with the [VACUUM] button
after setting the temperature.



At the ACCEL 5 setting,
it will change into the maximum acceleration in 4min.
At the DECEL 5 setting,
it takes 4min from 350 to 0 rpm
after it decelerates by the maximum deceleration.