

# Concentrator TC-8F

Promotes concentration by adding stirring to the decompression and heating. TC-8F is dedicated for Rimmed Test tubes.



TC-8F

## Stirring function

Equipped with the Stirring function. Promotes Concentration drying with the evaporation area increased by stirring the sample solution.

Model	TC-8F
Temperature range	Up to +60°C
Temp. control accuracy	±0.2 to 0.3°C
Stirring motion	Pendular stirring (Stepless transmission)
Capacity (Test tubes)	8 pcs (Less than 8 pcs cannot be used) (*)
Heater	150 W
Dimensions (W×D×H)	190 × 285 × 355 mm
Weight	Approx. 10.5 kg
Power supply	AC100V/2A (Need a step-down transformer)
Standard accessories	Test tube (φ17.5 to 18 mm) adapter ring × 8 pcs Test tube (φ17.5 mm × L130 mm) × 20 pcs Clamp for Cassette × 1 pc Cassette stand × 1 pc Drip tray rubber × 1 pc

(\*)When using Commercial Test tubes, use one with the same rim shape and outer dia. for all eight tubes.  
•A pump for pressure reduction is required separately. Ask us for compatible pumps other than Q-1.

## Features

- Concentrating with Rimmed Test tube × 8 pcs

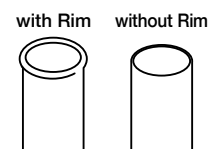
## Applications

- Concentrating Analytical samples extracted with solvent
- Concentration drying of Glycoproteins, Sugar chains, Peptides, etc.
- For applications where Concentration drying in test tubes are required

## Concentrate Rimmed Test tubes collectively

Makes the 8-Rimmed Test tubes in close contact with each other without the Teflon made Suction Cup Cassette with/without Rim and decompress them collectively (On the premise that the 8-Rimmed Test tubes are used for close contact).

It cannot be used with less than 8-bottles due to its mechanism.



## The Time for Concentrating and Drying (Reference)

Sample (3 mL × 8)	Boiling point	Heating temp.	Vacuum degree of used decomp. pump [kPa]	Time
Tap water	100°C	+40°C	3.20 to 4.00	10 min 00 sec
Benzene	80°C	+40°C	16.00 to 21.33	2 min 20 sec
Ethanol	78.5°C	+40°C	8.00 to 12.00	3 min 30 sec
Hexane	69.0°C	+40°C	21.33 to 28.00	1 min 20 sec
Chloroform	61.2°C	+40°C	30.66 to 34.66	1 min 50 sec
Acetone	56.5°C	+40°C	32.00 to 38.66	1 min 15 sec

## Optional accessories (for Replacement)



The parts shown below are required for replacement when consumed or when using a Test tube with a different diameter from the included ones.

Product	Applicable models	Remarks
Test tube Adapter Ring (φ12 to 13 mm)	TC-8F	Incl. 8 pcs
Test tube Adapter Ring (φ15 to 16.5 mm)	TC-8F	Incl. 8 pcs
Test tube Adapter Ring (φ17.5 to 18 mm)	TC-8F	Incl. 8 pcs