

Concentrator TC-8F/8G

Promotes concentration by adding stirring to decompression and heating. TC-8F dedicated for Rimmed Test tubes and General-purpose TC-8G regardless of the shape of test tube mouth.

Features

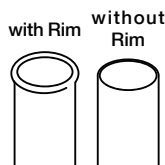
- Concentrating with 8pcs x Rimmed Test tube [TC-8F]
- Concentrating with 1 to 8pcs tubes with or without Rim [TC-8G]
- Enables retrieve solvents by circulation cooling water to condenser [TC-8G]

Applications

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

TC-8F

Makes 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 8-Rimmed Test tubes are used for close contact). It cannot be used with less than 8-bottles due to its mechanism. Comes with Test tubes (φ17.5mm x L130mm).



TC-8G

Attaches up to 8-Test tubes to Clamp Cassette equipped with PE stopper fitted to the test tube dia. and decompress them collectively. It can be used without Rim as it connected via PE stopper. Even 1 to 7-bottles can be concentrated as individual connection tubes can be closed. Enables Condensed retrieval with cooling water circulation as double pipe condenser provided in the path of evaporated solvent.

The Time for Concentrating and Drying (Reference)

Sample (8 x 3 mL)	Boiling point	Heating temp.	Vacuum degree of used decomp. pump [kPa]	Time (TC-8F)	Time (TC-8G)
Tap water	100°C	40°C	3.20 to 4.00	10min00sec	10min00sec
Benzene	80°C	40°C	16.00 to 21.33	2min20sec	2min15sec
Ethanol	78.5°C	40°C	8.00 to 12.00	3min30sec	3min30sec
Hexane	69.0°C	40°C	21.33 to 28.00	1min20sec	1min20sec
Chloroform	61.2°C	40°C	30.66 to 34.66	1min50sec	1min50sec
Acetone	56.5°C	40°C	32.00 to 38.66	1min15sec	1min10sec

Product	Applicable models	Remarks
① Teflon Suction Cup Cassette	TC-8F	Comes with ④
② Test tube Adapter Ring (φ12 to 13 mm)	TC-8F	Incl. 8pcs
③ Test tube Adapter Ring (φ15 to 16.5 mm)	TC-8F	Incl. 8pcs
④ Test tube Adapter Ring (φ17.5 to 18 mm)	TC-8F	Incl. 8pcs
⑤ Test tube Clamp Cassette	TC-8G	-
⑥ PE Stopper for Test tubes (φ12 to 13mm)	TC-8G	Incl. 8pcs
⑦ PE Stopper for Test tubes (φ15 to 16.5mm)	TC-8G	Incl. 8pcs
⑧ PE Stopper for Test tubes (φ17.5 to 18mm)	TC-8G	Incl. 8pcs
⑨ Glass Condenser	TC-8G	-

● Protuberances not included in Dimensions. ● Vessels of photo not included.



TC-8F

TC-8G

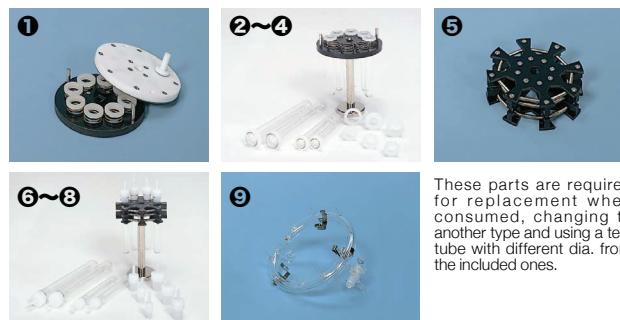
Stirring function

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

Model	TC-8F	TC-8G
Temperature range	to 60°C	
Temp. control accuracy	±0.2 to 0.3°C	
Stirring motion	Pendular stirring (Stepless transmission)	
Capacity (Test tubes)	8pcs (Less than 8pcs cannot be used) (*1)	8pcs (From 1 pc can be used) (*2)
Heater	150W	
Dimensions	190 (W) x 285 (D) x 355 (H)mm	230 (W) x 285 (D) x 355 (H)mm
Weight	Approx. 10.5kg	
Power supply	AC100V/2A	
Standard accessories	1 x Teflon Suction cup cassette 8 x Test tube (φ17.5 to 18 mm) adapter ring 20 x Test tube (φ17.5mm x L130mm) 1 x Clamp for Cassette 1 x Cassette stand 1 x Drip tray rubber	1 x Test tube clamp cassette 1 x Clamp for Cassette 1 x Glass Condenser (with Tube, Screw cock) 20 x Test tube (φ17.5mm x L130mm) 8 x PE stopper 1 x Cassette stand 1 x Drip tray rubber

(*1) When using Commercial Test tubes use one with the same rim shape and outer dia. for all eight tubes.
(*2) When using Commercial Test tubes use one with the same outer dia. for all eight tubes.
● A pump for pressure reduction required separately. Ask us for compatible pumps other than Q-1.
● The main body of TC-8F and TC-8G are common. The type can be changed by replacing the parts in the list of standard accessories with the following parts.

Optional accessories (for Replacement)



These parts are required for replacement when consumed, changing to another type and using a test tube with different dia. from the included ones.

Selection guide

Constant temperature incubator shaker OD-Monitor

CO₂ incubator shaker

Shaker

Mixer Rotator Stirrer

Bead beater homogenizer Ultrasonic homogenizer

Aluminum block bath Minimize bath

Water bath Shaking water bath Immersion cooler

Hybridization oven Constant temperature chamber

Centrifugal concentrator Cold trap

Freeze dryer

Electrophoresis and Blotting apparatus

Constant temperature water circulating system [Chiller]

Appendix