

Elution testing shaker TS-10N

Optimum for Soil elution testing, Soil harmful metals contained testing, and the leaching operation of harmful metals contained from industrial waste.

•Compatible in Shaking platform "Reciprocal shaker SR-1D" --> P.084

Features

- Powerful shaking of Polyethylene jars, Capacity: 2 pcs for 5 L/6 pcs for 2 L (See below)
- Max. load 10 kg, Energy-saving 70 Wh, with Timer
- Speed signal transmission output (1 to 5 V) is available as an option

Applications

- Harmful metals contained from soil and industrial waste
- Extraction of analytical samples with Polyethylene jars
- Various mixing-stirring, etc.

Capacity/Volume for Polyethylene jars

(The number of capacities has been changed for shipments from the second half of 2013.)

Placement	Volume and Capacity				
	5 L	3 L	2 L	1 L	500 mL
Horizontally	2 pcs (*1)	4 pcs	6 pcs (*1)	9 pcs	21 pcs (*1)
	-	-	-	1 L	500 mL
Vertically	-	-	-	10 pcs (*1)	12 pcs (*2)
	-	-	2 L	1 L	500 mL
Vertically (Below 200 r/min)	-	-	6 pcs (*1)	12 pcs (*1)	20 pcs (*3)

(*1)Addition of Vessel press bars (1 pc/short) is required. (*2)Addition of Vessel press bars (4 pcs/short) is required. (*3)Addition of Vessel press bars (3 pcs/short) is required.

•In all cases, use within the maximum load.

Leaching operation of heavy metals, etc. in soil harmful metals contained testing and TS-10N

① Mix 6 g or more of sample and solvent at a ratio of 3% by weight to volume. The Vessel is made of polyethylene or one that does not adsorb and elute the target substance and has a volume at least 1.5 times that of the solvent.

Size and capacity when installed horizontally at 1/2 volume of working volume

5 L	3 L	2 L	1 L
4 pcs	6 pcs	10 pcs	21 pcs

*Use vessels made by SUNPLATEC (1 L and 2 L: quick bottles, 3 L and 5 L: PE wide-mouth bottles). Please adjust the number of vessels according to the amount of solution.

*When installing and using the above number of pcs, please make sure that the weight is within the maximum load.

② Continuous shaking for 2 hours at 200 r/min and 4 to 5 cm shaking width at room temperature and normal pressure

--> The timer function of the TS-10N also contributes to the reproducibility of shaking time.

Optional: Vessel press bars (for addition) and Shaking platform for SR-1

Shaking platforms for TS-10N are compatible with A/B/C/E shaking platform for SR-1D. (Replace it by removing the standard platform)

Model	Remarks
Vessel press bar (long) for TS-10	Please purchase any as necessary referring to the above capacity.
Vessel press bar (short) for TS-10	
A shaking platform for SR-1	Test tube rack shaking platform
B shaking platform for SR-1	Flask shaking platform
C shaking platform for SR-1	Test tube shaking platform
E shaking platform for SR-1	Spring net shaking platform



TS-10N with Polyethylene jar

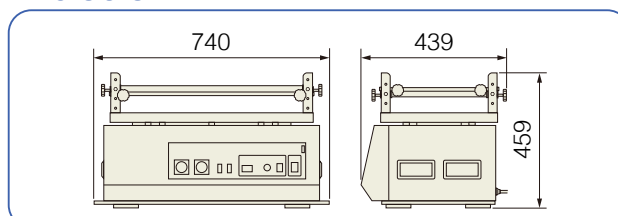
Model	TS-10N
Shaking motion	Reciprocal shaking
Shaking speed/Amplitude	50 to 250 r/min, 45 mm
Capacity	Polyethylene jar: Max. 2 pcs for 5 L/Max. 6 pcs for 2 L (See left figure)
Maximum load	Approx. 10 kg (Shaking platform and Vessel press bars are not included)
Timer	Timer operation function (1min to 99 h 59 min) (*When the timer function is not being used, it can count the time.) •ON-END •OFF-ON •OFF-ON-END
	Integral timer display 0 to 99 h 59 min or after: 100 h to 9999 h
Speed display/Setting	Digital display/Input
Safety devices/functions	Motor protection circuit at overload, Fuse
Dimensions (WxDxH)	740 × 439 × 459 mm (*)
Weight	Approx. 70 kg
Power supply	AC100V-240V/1A (universal power supply)
Standard accessories	Vessel press bars (long 3/short 3) for TS-10, Adjustment screwdriver for Timer × 1 pc

(*)External dimensions have been changed for shipments from the second half of 2013 (for accommodation of polyethylene jars and the change in the capacity of vessels).

Transmission output is possible

The available speed signal output from 1 to 5 V makes it possible to connect to a recorder, etc. It is recommended for customers who need data in the working process.

Dimensions



NEW

Constant-temperature incubator/shaker OD Monitor

For cell culture related products

Shaker

Mixer Rotator Stirrer

Bead beater Ultrasonic homogenizer

Aluminum block Bath Mini-size Bath

Water bath Shaking Water bath Immersion cooler

Hybridization Incubator Constant-temperature Chambers

Centrifugal Concentrators Cold Trap

Freeze dryers

Submarine Electrophoresis apparatus Blotting device for hybridization

Constant-temperature water-circulating system [Chilled]

Appendix