

Selection
guideConstant
temperature
Incubator shaker
CO₂ MonitorCO₂ incubator
shaker

Shaker

Mixer
Rotator
StirrerBead beater
homogenizer
Ultrasonic
homogenizerAluminum
block bath
Minimize bathWater bath
Shaking water bath
Immersion coolerHydridation oven
Constant temperature
chamberCentrifugal
concentrator
Cold trap

Freeze dryer

Electrophoresis
and
Blotting apparatusConstant
temperature
water circulating
system [Chiller]

Appendix

Beads crusher μ T-01/01N

Strong crushing and High stability by High speed pendular swinging.
A model equipped with Shaking speed stepless setting and Memory function is newly lined up.

Microtubes that are used with Beads crushers --> P.088



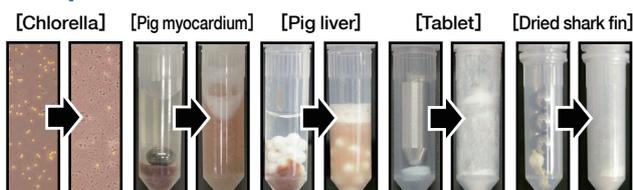
Features

- Outstanding stability even high speed shaking at 4600r/min
- For one simple 2mL Micro tube (Throughput 0.2g)
- Stainless steel beads and Metal crusher can be used

Applications

- Crushing of Microbes (bacteria, chlorella, yeast) and Insects
- Crushing of Cells, Tissues and Organs of animals and plants
- Crushing of Tablets and Resin pellets (with low viscosity)

Examples These are no more than a few examples.



Beads crushing method

This method is adapted to extract nucleic acids, proteins and residual substances from biological/environmental samples. Nucleic acids are often fragmented and basically served for PCR templates and not suitable for genome extraction. Used for human DNA identification, drug toxicological examination from human hair, seed quality examination, examination of BSE and Johne's disease, investigation of soil microflora etc. and also sample preparation for spectroscopic analysis for resin.

Model	μ T-01	μ T-01N
Crushing method	Crushing beads with pendular swing method.	
Shaking speed (*1)	2500 to 4600 r/min (6-step setting)	2000 to 4600 r/min (Stepless setting: per 100r/min)
Capacity	1pc x 1.5/2.0 mL Screw cap microtube (*2)	
Applicable beads	Nonmetal beads, Stainless steel beads, Metal crusher (*1) (*3)	
Ambient temperature	5°C to 35°C (No condensation)	
Speed memory	-	1 x Setting
Timer	6-step setting (5, 10, 15, 30, 45, 60 seconds)(*1)	-
Safety devices / functions	Braking when cover open during operation. Motor stopping when cover open, Motor overcurrent protection,	
Dimensions / Weight	175(W) x 280(D) x 160(H)mm, Approx. 5kg	
Power supply	AC100 to 240V/0.5A	

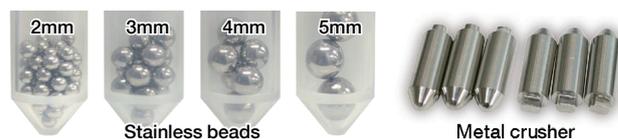
(*1) Set below 4000 r/min and 15 seconds when using Metal crusher.

(*2) Outer diameter below 11mm of the body of Microtubes can be used. Refer Recommended Microtubes on 88page.

(*3) Stainless steel beads and Metal crusher are available as an option. Marketed Glass and Zirconia beads can be used.

(*4) An actual shaking speed might be slower than that of specs due to load.

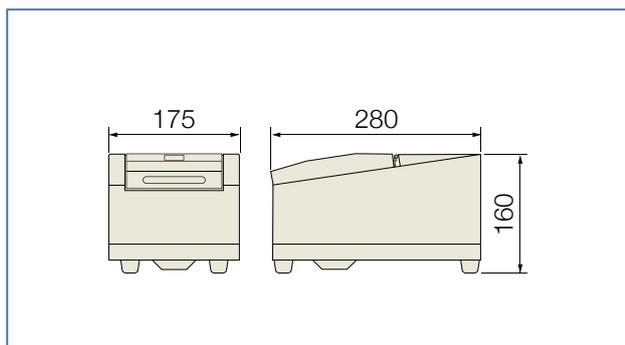
Optional parts



Product Name/Model	Remarks
Stainless beads ϕ2mm	70g (approx. 2100pcs)
Stainless beads ϕ3mm	150g (approx. 1300pcs)
Stainless beads ϕ4mm	150g (approx. 560pcs)
Stainless beads ϕ5mm	150g (approx. 280pcs)
Mixed Stainless beads	ϕ 2pcs/20g, 3pcs/40g, 4pcs/40g, 5pcs/50g
Metal crusher	2mL Microtube (Conical bottom) 6pcs
Zirconia crusher	2mL Microtube (Conical bottom) 3pcs

*Stainless beads and Metal crusher are made of stainless steel

Dimensions (μ T-01 and μ T-01N common)



We contribute to the development of research and industry.

TATEC [2019-2020 General Catalog]

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