

Beads crusher μ T-12

Strong crushing by High speed pendular swinging for various samples. 5mL tubes can be used. Suitable for Molecular biological applications. Low heat generation due to friction.

Micotubes that are used with Beads crushers --> P.088 The data of temperature of crushed samples with this unit --> P.091

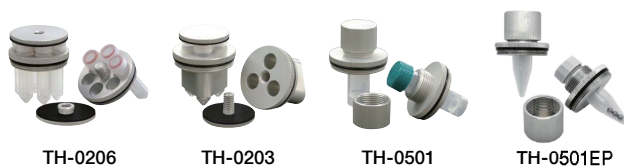
Features

- Powerful crushing with speed 3200r/min and large amplitude.
- Up to 12 tubes of 2mL Microtubes. 5mL can also be used
- The throughput are 0.2g/2mL and 1g/5mL Microtubes

Applications

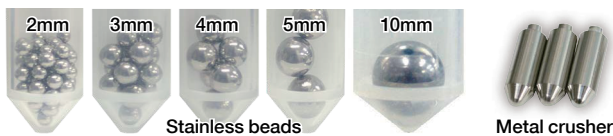
- Crushing of Microbes (bacteria, chlorella, yeast) and Insects
- Crushing of Cells, Tissues and Organs of animals and plants
- Crushing of Hair for analysis and Tablets etc.

Optional accessories: Microtube holders



Model	Product Name/Model
TH-0206	1.5/2.0mL Screw cap Microtube 6pcs-Holder
TH-0203	1.5/2.0mL Screw cap Microtube 3pcs-Holder for cold storage. The cold-keeping property of sample can be increased with keeping it in the refrigerator (The screw might be loosen at below -20°C. Be sure to not refrigerate directly the microtube at below 0°C).
TH-0501	5.0mL Screw cap Microtube 1pc-Holder *WATSON® Self-standing mailing microtube*(2332-15) recommended. Unsuitable for Eppendorf tubes.
TH-0501EP	5.0mL Screw cap Microtube Holder for Eppendorf

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
Stainless beads ϕ10mm	150g (approx. 36pcs)(*1)
Metal crusher	2mL Microtube (Conical bottom) 6pcs
Zirconia crusher	2mL Microtube (Conical bottom) 3pcs

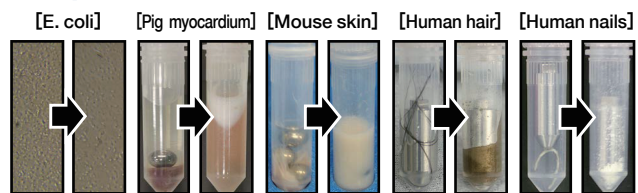
(*1) For 5mL Microtubes •Stainless beads and Metal crusher are made of stainless steel



μ T-12 with Optional Microtube holders

Examples

These are no more than a few examples.



Model	μ T-12
Crushing method	Crushing beads with pendular swing method.
Shaking speed	1800 to 3200 r/min (8-step setting) (*1)
Capacity	1.5/2.0 mL Screw cap microtube: Max. 12pcs (*2) 5.0mL Screw cap tube: Max. 2pcs (*3)
Applicable beads	Nonmetal beads, Stainless steel beads, Metal crusher (*4)
Ambient temperature	5°C to 35°C (No condensation)
Timer/Memory	1 to 300 seconds (Per 1 second setting. Up to 2 parameter setting can be memorized)
Safety devices/functions	Braking when cover open during operation, Motor overcurrent protection
Dimensions /Weight	310(W) x 400(D) x 200(H)mm, Approx. 15kg
Power supply	AC100 to 240V/4A

(*1) Set below 2500 r/min and within 30 seconds when using Metal crusher and 5mL Tubes.
(*2) Refer Recommended Microtubes on 88page. Maximum 12pcs when using Metal crusher.
(*3) *WATSON? Self-standing mailing microtube* (2332-15) recommended.
(*4) Stainless steel beads and Metal crusher are available as an option. Marketed Glass and Zirconia beads can be used.

Dimensions

