

BioMasher I

BioMasher I consists of a filter tube and a pestle. The sample is placed in the filter tube and the pestle is inserted from above. Centrifugal force is applied with a centrifuge allowing the pestle to crush the sample with this force. This allows the sample to pass through the filter of the filter tube, enabling the sample to be disrupted. The fibrous membrane component of the sample will be caught by the filter.

The pestle has a cross-shaped blade at the tip. By pushing and turning the pestle manually, the sample, which is hard to disrupt by centrifugation alone, can be ground.

<Variation>

★ With an O-ring

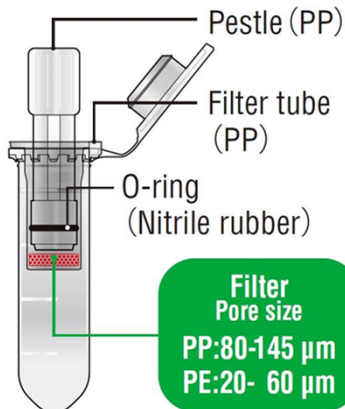
BioMasher I with an O-ring is suitable for homogenizing soft tissue with centrifugal force alone. In particular, it is suitable for simultaneous processing of many samples and for infectious samples.

★ Without an O-ring

Hard tissue may not be homogenized sufficiently by centrifugal force alone. The model without an O-ring is suitable when grinding the sample on the filter area before centrifugation to enhance disruption efficiency.

* The material of the filter is available made of either polyethylene (PE) or polypropylene (PP). The PE filter has smaller pore size than the PP filter resulting in finer disruption with the PE filter.

* DO NOT add the buffer in the filter tube before centrifuge. Otherwise the filter may be clogged, and the tube may be damaged. For only samples with lots of fibrous components with little water content, such as epidermis, mesentery, tail etc., add a small amount of buffer to extract and filtrate the target molecules.



1.5 or 2.0 ml tube (PP)

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<protocol>

