FRAG96

Sample fragmentation for molecular-biology research workflows

The FRAG96 uses Adaptive Cylindrical Ultrasonic (ACU) technology for ultrasonic processing in closed sample vessels. Designed for batches of 1–96 samples, it supports the development of sample-specific fragmentation protocols.



A matching recirculating chiller is included in the standard scope of supply and is required to operate the FRAG96.

1–96 samples	**30–150 µL / sample**	**Closed vessels**

Applications

NGS sample preparation

DNA and RNA fragmentation according to the applicable library-preparation protocol.

Chromatin & ChIP-seq

Ultrasonic processing of chromatin; define the target distribution for the material and lysis conditions.

Flexible sample batches

Select individual tubes, PCR strips or plates to suit the vessel type, holder and batch size.

Your selection

Specify sample material and input amount, volume, target fragment distribution, vessel format, samples per run, temperature limit and downstream analysis. These details form the basis for assessing suitability.

Sample processing and configuration

Samples per run	1–96; depending on vessel format and holder
Stated sample-volume range	30–150 µL per sample
Stated fragment-size range	100 bp–5 kb; sample- and protocol-dependent
Technology	ACU (Adaptive Cylindrical Ultrasonic)
Vessels listed in the product selection	PCR plates, PCR tubes and dedicated consumables; confirm exact compatibility
Recirculating chiller	Included as standard; required for operation
Operation	Touchscreen
Automation integration	Optional; confirm interfaces and integration for the project

Reference data from the Labsun product selection dated 29 May 2026. Confirm the values for the quoted instrument version. Ranges are not guaranteed for every sample and do not describe a universally selectable fragment size. Vessel type, fill volume, material and temperature control affect the result.

Agree the configuration before ordering

The standard scope of supply includes the FRAG96 main unit and a matching recirculating chiller. The configuration identifies vessel holders and approved vessel formats. Agree software functions and optional automation integration before ordering.

Discuss your sample and configuration

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Sources: Labsun Selection, High-throughput Focused-ultrasonicator, 29 May 2026. Research applications. Updated on 16 October 2026.