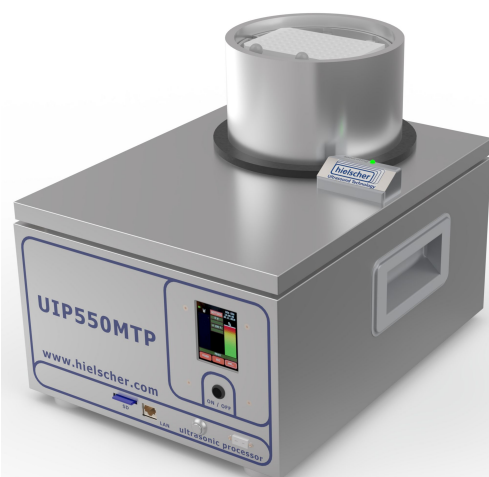


UIP550MTP – Microtiter Plate Ultrasonicator

www.hielscher.com/uiip550mtp

Ultrasonic processor
UIP550MTP
for multi-well
plates



Technical
Details

The UIP550MTP is a 550 watts, 20kHz ultrasonic processor for the reliable and reproducible ultrasonic sample preparation of multi-well plates / microtiter plates. Smart software and an intuitive menu ensure user-friendliness and simple operation. A built-in heat exchanger with recirculation pump allows the microtiter plate to be cooled or tempered during sonication. A laboratory cooler is required for this purpose (not included). The UIP550MTP has a coolant inlet and outlet. The PT100 temperature sensor can be placed in one of the sample wells for temperature monitoring and control.

Advantages

Effectiveness: Powerful, state-of-the-art ultrasonic device with 550 watts power
High-Throughput Sonication: 1-1536 samples per run, completed within minutes
Use Your Own Plates: No reoccurring costs for proprietary consumables
Cost-Efficient: One-time investment at a highly reasonable price, no proprietary consumables
Compatibility: Compatible with standard buffers and kits.
Non-Contact Sonication: Prevents cross-contamination
Industrial Grade: Suitable for 24/7 operation
Reproducibility: Exact reproducibility by full control over the parameters such as energy input (Ws/mL), amplitude, temperature
User-friendliness: Designed for easy use and reliable results. The smart features allow to program and pre-set various sonication modes (e.g., energy input, amplitude, cycle mode, temperature, time)
Automation: Suitable for integration into automated systems

hielscher ultrasonics

UIP550MTP – Microtiter Plate Ultrasonicator

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Are you tired of buying over-priced proprietary consumables and/or expensive lysis kits for your ultrasonicator?

If the answer is yes, the UIP550MTP multiwell plate sonicator will delight you! Use your own consumables, i.e. the multiwell plates of your choice! Use your standard consumables, which are most suitable for your sample preparation and save money!

Cell Lysis

- Mammalian Cell Lysis
- Plant Cell Lysis
- Bacterial Cell Lysis
- Yeast Cell Lysis

Tissue Lysis and Extraction

- Fresh Frozen Tissue Lysis
- Formalin-Fixed, Paraffin-Embedded (FFPE) Tissue Extraction

DNA, RNA, and Total Nucleic Acid Extraction
Cell-Free DNA (cfDNA) from Plasma

Protein Extraction

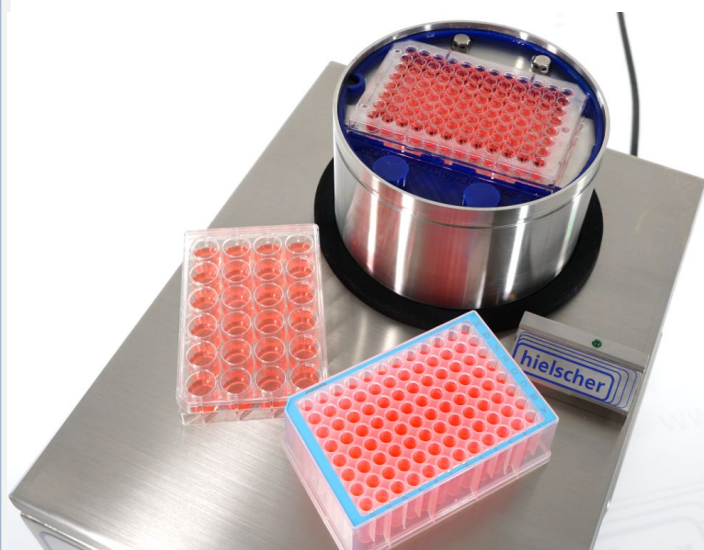
Chromatin Shearing

DNA Shearing

RNA Shearing

Extraction from

- Mammalian Cell Cultures
- Plant Cell Cultures
- Bacterial Cell Cultures
- Yeast Cell Cultures



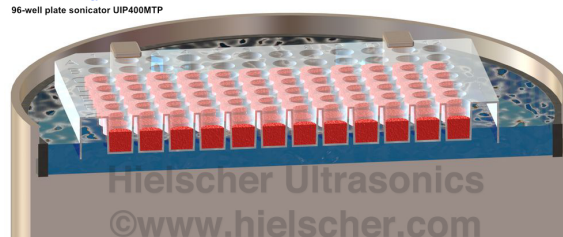
Compatible with standard buffers and kits.

With the UIP550MTP, we offer you a high-throughput ultrasonicator for protein extraction and DNA, RNA and chromatin shearing. Suitable for cell cultures and FFPE tissue.

The UIP550MTP high-throughput ultrasonicator facilitates the uniform sample preparation for NGS library prep, genomic, proteomic, metabolomic, and biomarker diagnostics.



96-well plate sonicator UIP400MTP



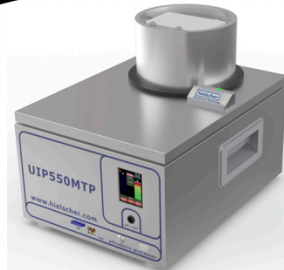
Microplate Sonicator UIP550MTP

- with digital touch display + sophisticated software
- programmable settings
- built-in SD card for automatic data protocolling
- PT100 temperature sensor
- with recirculation pump
- with connection ports for lab cooler
- browser remote control

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UIP550MTP – Multiwell Plate Ultrasonicator

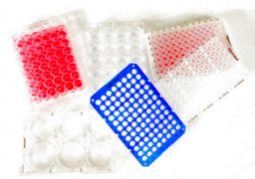
www.hielscher.com/ui550mtp



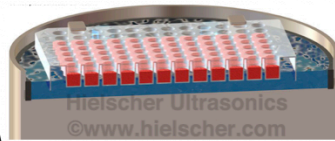
High-Throughput Sonicator UIP550MTP
for 96-well plates, multi-well, microtiter plates



Smart software
and automatic data
recording

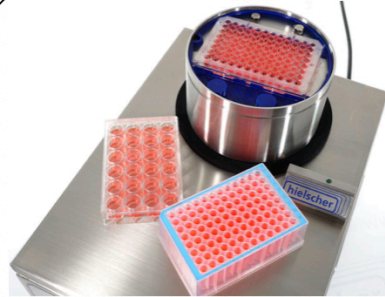


Use your **OWN** plates!
No proprietary consumables



Non-contact sonication,
reproducible results

UIP550MTP



hielscher
Ultrasound Technology



One-time investment
at a highly competitive price

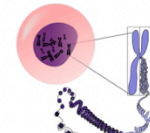


Industrial grade
suitable for 24/7 operation



Compatible with
any buffer and kits

- Lysis
- Extraction of DNA, RNA, Protein
- DNA, RNA, Chromatin Shearing
- for Cell Cultures and FFPE



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