

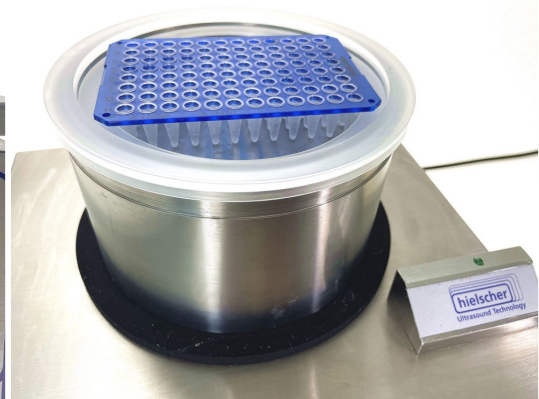
## UIP400MTP – Microtiter Plate Ultrasonicator

[www.hielscher.com/uip400mtp](http://www.hielscher.com/uip400mtp)

Ultrasonic  
Processor  
UIP400MTP



UIP400MTP for multi-well plate  
sonication



The UIP400MTP facilitates the  
simultaneous preparation of  
multiple samples

### Technical Details

The UIP400MTP is a 400 watts, 20kHz ultrasonic processor for the reliable and reproducible ultrasonic sample preparation of any standard multi-well plate / microtiter plate. 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 UIP400MTP has a coolant inlet and outlet. The PT100 temperature sensor can be placed in one of the sample wells for temperature monitoring and control.

### Applications

Sample preparation including lysis & cell disintegration, DNA shearing, solubilization, homogenization of biological samples

### Advantages

**Effectiveness:** Powerful, state-of-the-art ultrasonic device with 400 watts power  
**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)

#### Ultrasonic Processor UIP400MTP

- 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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