

Hyperthermia Laboratory

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Hyperthermia equipment HT Lab uses energy losses in magnetic materials to generate heat by mechanical rotation of nonanoparticles (Brownian losses - which are determined by medium viscosity) and by rotation of the magnetic moment inside the particle (Néel losses).



Basic equipment parameters

- Magnetic field strength adjustable range: 0 - 15 kA/m,
- Frequency range of the magnetic field up to 1 MHz,
- Precise temperature measurement at 20 to 120 °C, with accuracy 0.5°C and with temperature resolution 0.1 °C and with the possibility of measuring the reference temperature,
- The device is equipped with an oscilloscope with the required parameters for visual inspection of the generated field,
- The possibility of the computer data collection.