

nanoTherics *In Vivo* Water Jacket Option

The Next wave in Nanoparticle Heating Research



Product Code: NAN201008 Product Code: NAN201008-IR

The *In Vivo* Water Jacket Option includes all the necessary components to use with magneTherm systems, including a water jacket, larger diameter Sample holders/adaptor rings and Coils, and insulating sample holders.



This Option can be used in a Vertical or Horizontal orientation, the unique Water Jacket allows you to maintain physiological temperature control for *In Vivo* studies. The water flow is constant and unidirectional which means that the chamber will achieve the desired temperature in a very short time, which is a distinct advantage over other water cooled solutions.

NAN201008 (internal) System Supplied with:

- Water Cooled Coils 60mm OD 17 & 9 Turns
- Water Jacket to fit the 60mm Coils
- Sample Tube and fixing rings for 60mm tube
- Styrofoam Insulating Sample Locators (17 & 9 turn)
- Water tubing connectors

NAN201008-IR (external) supplied with:

- Water cooled coil 60mm OD 18 Turns
- IR compatible (10mm window)
- Mounting plates and clamps
- Water tubing connectors

System requirements

- No additional power supplies required
- Electrodes connect via the magneTherm System
- Connects to water supply via your magneTherm™ system.
- Laboratory Tap water supply or Recirculating water chiller
- Water Flow required: 320mL/min.

Environmental and safety specifications

- Temperature ranges:
- Normal operation: 5-40 °C
- Storage: -20 – 70°C
- Humidity: 20-80%

