

nanoTherics Drug Release/Drug Delivery

The Next wave in Nanoparticle Heating Research



Product Code: NAN201010

This set up enables the study of mediated nanoparticles in an alternating magnetic field utilising the magneTherm System.

Accessories are also available for volume displacement from 70mL to 5mL when testing smaller samples with this option.

Simple to operate, using any probes including thermocouples, and optical sensors.

Compatible with all models of magneTherm.

Can be used with 18 turn and 9 turn 50, 60 mm ID standard coils



- Real time temperature measurement using a robust fibre optic temperature sensor
- Slow stirring at 20 rpm enables even drug release into the release medium and prevent limited diffusion.
- Sampling port for manual drug release analysis i.e. for drug release time lapse studies
- Accommodates disposable dialysis tubes - can hold from 250 µl up to 2 ml sample volume
- Water jacket to maintain ambient or physiological temperature
- Unique features include optional * IDE spectrophotometer module for real time drug release analysis

Mechanical Specifications

Drug Release Shaft Oscillating Unit

Water Jacket 150 mm x 40mm OD

Control Unit 80 x 110 x 90mm

System requirements

One Mains power source in addition to the magneTherm System requirement

Fits into the Magnetherm 50mm Coil Sample Cavity

Can be used with various sensors from Thermocouple to Fibre Optic Sensors

Water Flow required: 320mL/min.

Power Supply 5V 0.5A

Environmental and safety specifications

Temperature ranges:

Normal operation: 5-40 °C

Storage: -20 – 70°C

Humidity: 20-80%

