Research

NMI-20

This benchtop instrument offers analysis and imaging functions for research. The NMI20-Analyst can measure T1 and T2, as well as provide a high resolution image. System includes a pulse sequence library and an adjustable frequency source to permit changes in frequency and magnitude, for complex applications.

Examples of Applications:

- Medical contrast medium analysis (colloidal contrast medium)
- Fermentation research (bread, wine, cheese, tea, etc…)
- Fermentation process control (water phase analysis, imaging of microstructure)

Specifications:

Permanent magnet field strength: 0.51
Magnet system frequency: 22.3MHz
Magnet distance: 35mm
RF pulse frequency range: 1MHz-30MHz
Magnet temperature control precision: ±0.02° (when temp. in magnet cabinet is stable)
Homogeneity: 12ppm (10mm X 10mm X 10mm)
Resonance frequency: 21.7MHz
Pulse length adjustment: automatic or manual
Center frequency adjustment: automatic or manual
Probe diameter: 15mm
Minimum slice thickness: 1mm
Minimum resolution: 0.8mm
Operating system: Windows XP

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