

NMR Instrument Specifications

Varian ^{Unity}Inova 600 Liquid State NMR Spectrometer

Software: VnmrJ 2.1B

Three channels and Z gradients

Probes: 5 mm ¹H {¹⁵N - ³¹P} Indirect Detection PFG
 5 mm ¹H {¹⁵N - ³¹P} Dual broadband
 5 mm ¹H/¹³C/¹⁵N Triple Resonance PFG
 10 mm ¹H {¹¹³Rh - ¹⁵N} Dual broadband
 10 mm ¹H {¹⁵N - ³¹P} Dual broadband
 4 mm gHX {¹⁵N - ³¹P} Nano

Varian VNMRS 500 Solid State NMR Spectrometer

Software: VnmrJ 2.2D

Two channels

Probes: 3.2 mm HX MAS {¹⁵N - ³¹P} broadband
 4.0 mm HX MAS {¹⁵N - ³¹P} broadband
 6.0 mm HX MAS {¹⁵N - ³¹P} broadband

Varian ^{Unity}Inova 400 spectrometer

Software: VnmrJ 2.1B

Two channels and Z gradients

Probes: 10 mm ¹H {¹⁵N - ³¹P} Dual broadband
 5 mm ¹H/¹⁹F {¹⁵N - ³¹P} Dual broadband PFG

Varian VNMRS 300 Liquid State NMR Spectrometer

Software: VnmrJ 2.2D

Two channels

Probes: 5 mm ¹H/¹⁹F {¹⁵N - ³¹P} Dual broadband
 5 mm 4 nucleus (¹H/¹³C/¹⁹F/³¹P)

CD Spectrometer Specifications

The Chirascan-plus combined Circular Dichroism/Fluorescence Spectropolarimeter with is a state-of-the art new generation chiroptical spectrometer with the following capabilities:

- Circular dichroism (CD)
- Fluorescence /Total Fluorescence
- UV/Visible absorbance
- Fluorescence detected CD
- Stopped Flow unit for real-time UV/Visible absorbance, CD and fluorescence measurements of mixtures.