

Brown NMR Facility Spectrometer Specifications

ZEUS – 400MHz DRX Avance NMR Spectrometer

¹H Frequency – 400.130 MHz
¹³C Frequency – 100.613 MHz
³¹P Frequency – 161.976 MHz
¹⁵N Frequency – 40.545 MHz
²H Frequency – 61.422 MHz
⁶Li Frequency – 58.883 MHz
⁷Li Frequency – 155.506 MHz
¹¹B Frequency – 128.378 MHz
²⁹Si Frequency – 79.495 MHz

Probes:

5mm ATMA BBO z-gradient
10uL Protasis CapNMR z-gradient

ARTEMIS – 400MHz DRX Avance Spectrometer

¹H Frequency – 399.849 MHz
¹³C Frequency – 100.542 MHz
³¹P Frequency – 161.862 MHz
¹⁵N Frequency – 40.516 MHz
²H Frequency – 61.379 MHz

Probes:

5mm TXI triple axis gradient probe
10uL Protasis CapNMR z-gradient

HADES – 300MHz DPX Avance NMR Spectrometer

¹H Frequency – 300.150 MHz
¹³C Frequency – 75.473 MHz
³¹P Frequency – 121.503 MHz
¹⁵N Frequency – 30.414 MHz
²H Frequency – 46.075 MHz

Probes:

5mm Bruker BBI z-gradient
5mm Bruker BBI

ARES – 300MHz DPX Avance NMR Spectrometer

¹H Frequency – 300.130 MHz

¹³C Frequency – 75.468 MHz

¹⁹F Frequency – 282.404 MHz

³¹P Frequency – 121.495 MHz

¹⁵N Frequency – 30.412 MHz

²H Frequency – 46.072 MHz

Probes:

5mm Bruker BBO