

Resource Summary Report

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Bruker: Avance Neo 1.2 GHz NMR Spectrometer

RRID:SCR_028512

Type: Tool

Proper Citation

Bruker: Avance Neo 1.2 GHz NMR Spectrometer (RRID:SCR_028512)

Resource Information

URL: [https://gateway-](https://gateway-nmr.osu.edu/capabilities#:~:text=Bruker%20Avance%20Neo%201.2%20GHz%20NMR%20Spectrom)

[nmr.osu.edu/capabilities#:~:text=Bruker%20Avance%20Neo%201.2%20GHz%20NMR%20Spectrom](https://gateway-nmr.osu.edu/capabilities#:~:text=Bruker%20Avance%20Neo%201.2%20GHz%20NMR%20Spectrom)

Proper Citation: Bruker: Avance Neo 1.2 GHz NMR Spectrometer (RRID:SCR_028512)

Description: Spectrometer represents the pinnacle of commercial nuclear magnetic resonance technology. Operating at 28.2 Tesla, this ultra-high-field system is primarily used for advanced structural biology, pharmaceutical research, and materials science. Delivers the highest commercially available spectral resolution, crucial for investigating complex protein dynamics, functional molecular disorders, and viral structures. Console:Avance Neo; Magnet:Gateway; Field Strength: 1.2 GHz; Software:TopSpin 4.4.1 on CentOS 7; Probes:3mm TCI cryoprobe; 3mm BBI room-temperature; 3.2mm HX low-gamma MAS; 1.9mm HX high-gamma MAS; 1.3mm HCN fast MAS; 0.7mm HCN ultra-fast MAS; Chilled SampleCase (up to 24 samples); Automated Tuning and Matching (ATM); Nitrogen Liquefier.

Synonyms: , Avance Neo 1.2 GHz NMR Spectrometer system, Bruker: Avance Neo Gateway 1.2 GHz NMR Spectrometer system

Resource Type: instrument resource

Keywords: NMR, spectrometer, Gateway 1.2 GHz NMR,

Funding: NSF RI-1 1935913

Availability: Commercially available

Specification URL: https://raw.githubusercontent.com/SciCrunch/RRID-Instruments/refs/heads/main/PDF/SCR_028512.pdf

Resource Name: Bruker: Avance Neo 1.2 GHz NMR Spectrometer

Resource ID: SCR_028512

Alternate IDs: Model_Number_Bruker_Avance_Neo_Gateway_1.2 GHz

Alternate URLs: <https://people.ohioinnovationexchange.org/equipment/1696125>,
<https://www.bruker.com/en/products-and-solutions/mr/nmr/avance-nmr-spectrometer.html>

Record Creation Time: 20260605T195314+0000

Record Last Update: 20260815T183321+0000

Ratings and Alerts

No rating or validation information has been found for Bruker: Avance Neo 1.2 GHz NMR Spectrometer.

No alerts have been found for Bruker: Avance Neo 1.2 GHz NMR Spectrometer.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.