

# 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-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](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

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## 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.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.