

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 1, 2026

Bruker: 7 Tesla Bruker BioSpec 70/20 USR MRI system

RRID:SCR_022895

Type: Tool

Proper Citation

Bruker: 7 Tesla Bruker BioSpec 70/20 USR MRI system (RRID:SCR_022895)

Resource Information

URL: <https://www.bruker.com/en/products-and-solutions/preclinical-imaging/mri/biospec/biospec-70-20-and-94-20.html>

Proper Citation: Bruker: 7 Tesla Bruker BioSpec 70/20 USR MRI system (RRID:SCR_022895)

Description: Multipurpose research system for high resolution Magnetic Resonance Spectroscopy and Imaging. System is equipped with 7 Tesla superconducting magnet designed with Ultra Shielded Refrigerated magnet technology. USR technology significantly reduces stray field to close to magnet. Used for In Vivo Magnetic Resonance Imaging.

Synonyms: 7.0 Tesla Bruker BioSpec 70/20 USR, Bruker BioSpec 70/20

Resource Type: instrument resource

Keywords: Instrument, Equipment, USEDit, Bruker, BioSpec, Magnetic Resonance Spectroscopy and Imaging, neuroimagingmedical imaging

Availability: Restricted

Resource Name: Bruker: 7 Tesla Bruker BioSpec 70/20 USR MRI system

Resource ID: SCR_022895

Alternate IDs: Model_Number_BioSpec_70/20

Record Creation Time: 20221018T050210+0000

Record Last Update: 20260801T190806+0000

Ratings and Alerts

No rating or validation information has been found for Bruker: 7 Tesla Bruker BioSpec 70/20 USR MRI system.

No alerts have been found for Bruker: 7 Tesla Bruker BioSpec 70/20 USR MRI system.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 9 mentions in open access literature.

Listed below are recent publications. The full list is available at [PRECISE-TBI](#) .

Serrano ME, et al. (2023) Investigating brain alterations in the Dp1Tyb mouse model of Down syndrome. *Neurobiology of disease*, 188, 106336.

Zhu X, et al. (2021) Dietary curcumin supplementation promotes browning and energy expenditure in postnatal overfed rats. *Nutrition & metabolism*, 18(1), 97.

Lin Z, et al. (2021) MRI-guided histology of TDP-43 knock-in mice implicates parvalbumin interneuron loss, impaired neurogenesis and aberrant neurodevelopment in amyotrophic lateral sclerosis-frontotemporal dementia. *Brain communications*, 3(2), fcab114.

Krekorian M, et al. (2021) In Vivo PET Imaging of Monocytes Labeled with [89Zr]Zr-PLGA-NH2 Nanoparticles in Tumor and Staphylococcus aureus Infection Models. *Cancers*, 13(20).

Dupont-Lucas C, et al. (2020) A polymeric diet rich in transforming growth factor beta 2 does not reduce inflammation in chronic 2,4,6-trinitrobenzene sulfonic acid colitis in pre-pubertal rats. *BMC gastroenterology*, 20(1), 416.

Bazzigaluppi P, et al. (2018) Oophorectomy Reduces Estradiol Levels and Long-Term Spontaneous Neurovascular Recovery in a Female Rat Model of Focal Ischemic Stroke. *Frontiers in molecular neuroscience*, 11, 338.

Gity M, et al. (2018) Two Different Methods of Region-of-Interest Placement for Differentiation of Benign and Malignant Breast Lesions by Apparent Diffusion Coefficient Value. *Asian Pacific journal of cancer prevention : APJCP*, 19(10), 2765.

Setkowicz Z, et al. (2015) Does Long-Term High Fat Diet Always Lead to Smaller Hippocampi Volumes, Metabolite Concentrations, and Worse Learning and Memory? A Magnetic Resonance and Behavioral Study in Wistar Rats. *PloS one*, 10(10), e0139987.

Hong S, et al. (2014) Pedunculopontine tegmental nucleus neurons provide reward, sensorimotor, and alerting signals to midbrain dopamine neurons. *Neuroscience*, 282, 139.