

Resource Summary Report

Generated by T1D on Sep 6, 2026

N:SD Sprague-Dawley

RRID:RRRC_00239

Type: Organism

Proper Citation

RRID:RRRC_00239

Organism Information

URL: http://rgd.mcw.edu/tools/strains/strains_view.cgi?id=728193

Proper Citation: RRID:RRRC_00239

Description: Rattus norvegicus with name N:SD from RGD.

Species: Rattus norvegicus

Notes: To N 1945 from Sprague Dawley, Inc. Colony closed since then. [NIH Autoimmune Rat Model Repository and Development Center](#), [Rat Resource and Research Center](#)

Catalog Number: 00239

Background: outbred

Database: Rat Resource and Research Center (RRRC)

Database Abbreviation: RRRC

Availability: Extinct

Alternate IDs: RGD_728193, 728193, RRRC_239, RRRC_0239, RRRC_00239

Organism Name: N:SD Sprague-Dawley

Record Creation Time: 20230607T202005+0000

Record Last Update: 20260905T094653+0000

Ratings and Alerts

No rating or validation information has been found for N:SD Sprague-Dawley.

No alerts have been found for N:SD Sprague-Dawley.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Rat Resource and Research Center (RRRC)

Usage and Citation Metrics

We found 21 mentions in open access literature.

Listed below are recent publications. The full list is available at [T1D](#).

Signoretti C, et al. (2026) VEGFR-2 blocker induces pulmonary vascular disease in rats with CRISPR-edited human non-deficient G6PD polymorphism: role of 3D genomic modifications and DNA methylation. *British journal of pharmacology*, 183(16), 4675.

Güvenir Seven S, et al. (2026) Therapeutic Effects of MOTS-c in the Valproic Acid-Induced Autism Model in Rats: Role of Tetrahydrobiopterin and Brain-Derived Neurotrophic Factor. *Molecular neurobiology*, 63(1), 453.

Lucero-Arteaga F, et al. (2026) Neuromeric Organization of the Microbat Brain: Conserved and Distinct Regional Features. *The Journal of comparative neurology*, 534(2), e70140.

Koç T, et al. (2026) A Quantitative Comparison of Medial and Coronal Dentate Gyrus Microdissection Strategies and a Softening-Based Workflow for Reproducible Tissue Procurement. *Life (Basel, Switzerland)*, 16(3).

Wright A, et al. (2025) Repetitive Blast Exposure Drives Chronic Pain in Female Rats. *Journal of neuroscience research*, 103(12), e70103.

Hamanaka G, et al. (2025) Protocol for sex-specific isolation of microglia, oligodendrocyte precursor cells, and astrocytes from neonatal rats using shake-off technique. *STAR protocols*, 6(3), 103902.

Zheng YC, et al. (2025) Astrocytic Interleukin-33 Deficiency Reduces Glial Fibrillary Acidic Protein Expression and Exacerbates Microglial Activation and Neuronal Damage in a Chemically Induced Inflamed Frontal Cortex. *Journal of neurochemistry*, 169(12), e70310.

Bekku Y, et al. (2024) Glia trigger endocytic clearance of axonal proteins to promote rodent myelination. *Developmental cell*.

Fu JT, et al. (2024) Erinacine S, a small active component derived from *Hericium erinaceus*, protects oligodendrocytes and alleviates mood abnormalities in cuprizone-exposed rodents. *Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie*, 173, 116297.

Gomez-Galvez Y, et al. (2024) Recovery after human bone marrow mesenchymal stem cells (hBM-MSCs)-derived extracellular vesicles (EVs) treatment in post-MCAO rats requires repeated handling. *PloS one*, 19(10), e0312298.

Kellett DO, et al. (2024) Transcriptional response of the heart to vagus nerve stimulation. *Physiological genomics*, 56(2), 167.

Yu Z, et al. (2024) Role of Rab10 in cocaine-induced behavioral effects is associated with GABAB receptor membrane expression in the nucleus accumbens. *Frontiers in pharmacology*, 15, 1496657.

Kellett DO, et al. (2024) Transcriptional response of the heart to vagus nerve stimulation. *Physiological genomics*, 56(2), 167.

Fitzpatrick G, et al. (2024) Entry of cannabidiol into the fetal, postnatal and adult rat brain. *Cell and tissue research*.

Okuyama T, et al. (2024) Hepatoprotective effects of baicalein against liver ischemia-reperfusion injury and partial hepatectomy in a rat model. *Molecular biology reports*, 51(1), 643.

Huang HT, et al. (2023) Interleukin-6 Inhibits Expression of miR-204-5p, a Regulator of Oligodendrocyte Differentiation: Involvement of miR-204-5p in the Prevention of Chemical-Induced Oligodendrocyte Impairment. *Molecular neurobiology*.

Xiao X, et al. (2023) Involvement of spinal NADPH oxidase 4 and endoplasmic reticulum stress in morphine-tolerant rats. *Journal of neurochemistry*.

Hamanaka G, et al. (2023) Myelination- and migration-associated genes are downregulated after phagocytosis in cultured oligodendrocyte precursor cells. *Journal of neurochemistry*, 167(4), 571.

Majd H, et al. (2023) Deriving Schwann cells from hPSCs enables disease modeling and drug discovery for diabetic peripheral neuropathy. *Cell stem cell*, 30(5), 632.

Lin CW, et al. (2023) Light activates Ube3a, an Angelman syndrome-associated gene, by mediating the chromatin structures during postnatal development of mouse retina. *Journal of neurochemistry*, 167(6), 766.