

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 1, 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: 20260801T100217+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 17 mentions in open access literature.

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

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.

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.

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

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.

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

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*.

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.

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.

Zheng Y, et al. (2023) β -Sitosterol Alleviates Neuropathic Pain by Affect Microglia Polarization through Inhibiting TLR4/NF- κ B Signaling Pathway. *Journal of neuroimmune pharmacology : the official journal of the Society on NeuroImmune Pharmacology*, 18(4), 690.