

Resource Summary Report

Generated by [dkNET](#) on Jul 29, 2026

SD

RRID:RGD_70508

Type: Organism

Proper Citation

RRID:RGD_70508

Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=70508>

Proper Citation: RRID:RGD_70508

Description: Rattus norvegicus with name SD from RGD.

Species: Rattus norvegicus

Notes: This strain was initiated by R. Dawley, Sprague-Dawley Company, Madison, Wisconsin in 1925. A hybrid hooded male of unknown origin was mated to a white female (Douredoure strain, probably Wistar) and subsequently to his white female offspring for 7 generations. All the current colonies are from this original stock.

Catalog Number: 70508

Background: outbred

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Unknown

Alternate IDs: 70508

Organism Name: SD

Record Creation Time: 20230509T191929+0000

Record Last Update: 20260725T194233+0000

Ratings and Alerts

No rating or validation information has been found for SD.

No alerts have been found for SD.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Rat Genome Database (RGD)

Usage and Citation Metrics

We found 75859 mentions in open access literature.

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

Ramos-Álvarez I, et al. (2026) Role of serine/threonine phosphatases 1 and 2A in pancreatic acinar fluid and electrolyte secretion. American journal of physiology. Gastrointestinal and liver physiology.

Shao YQ, et al. (2026) Topical administration of GLP-1 eyedrops improves retinal ganglion cell function by facilitating presynaptic GABA release in early experimental diabetes. Neural regeneration research, 21(2), 800.

Geni?can S, et al. (2026) Enhancing neural stem cell integration in the injured spinal cord through targeted PTEN modulation. Neural regeneration research, 21(4), 1586.

Huang Z, et al. (2026) Preclinical safety and ef?cacy evaluation of the intrathecal transplantation of GMP-grade human umbilical cord mesenchymal stem cells for ischemic stroke. Neural regeneration research, 21(3), 1172.

Li R, et al. (2026) Porcine decellularized nerve matrix hydrogel attenuates neuroinflammation after peripheral nerve injury by inhibiting the TLR4/MyD88/NF-?B axis. Neural regeneration research, 21(3), 1222.

Duan C, et al. (2026) Estrogen receptor beta in lateral habenula mediates antidepressant effects of estrogen in postpartum-hormone-withdrawal-induced depression. Molecular psychiatry, 31(1), 296.

Durmaz E, et al. (2026) R-28 cell-derived extracellular vesicles protect retinal ganglion cells in glaucoma. Neural regeneration research, 21(5), 2073.

Wen J, et al. (2026) Fibrotic scar formation after cerebral ischemic stroke: Targeting the Sonic hedgehog signaling pathway for scar reduction. Neural regeneration research, 21(2), 756.

Zhou S, et al. (2026) Cocklebur-inspired magnetic nanomotors for targeted thrombus therapy. Bioactive materials, 55, 290.

Cook BE, et al. (2026) Central Nervous System Biodistribution and Pharmacokinetics of Radiolabeled Tofersen in Rodents, Nonhuman Primates, and Humans. *Journal of nuclear medicine : official publication, Society of Nuclear Medicine*, 67(1), 139.

Yuan Y, et al. (2026) Sequential hydrogen-release implant for promoting the soft tissue integration through immunomodulatory and pro-remodeling coupling. *Bioactive materials*, 57, 514.

Liu Y, et al. (2026) Biomimetic core-shell GelMA microspheres co-delivering ANXA1, NGF, and fibronectin enable phase-matched immunomodulation and neurorepair after spinal cord injury. *Theranostics*, 16(1), 483.

Pu G, et al. (2026) Downregulation of PCYT2 by increased portal pressure safeguards liver regeneration after partial hepatectomy. *Theranostics*, 16(2), 810.

Che Z, et al. (2026) Sequential release of bioactive factors from functionalized metal-organic framework hydrogel enhances interfacial osseointegration of 3D-printed titanium alloy porous scaffolds. *Theranostics*, 16(2), 852.

Chen H, et al. (2026) Artesunate nanoliposome-hydrogel: a dual-modal therapy for post-surgical melanoma. *Theranostics*, 16(2), 580.

Meng S, et al. (2026) Reactive oxygen species/hypoxia dual-responsive polymers combined with melatonin inhibited PANoptosis of retinal ganglion cells for acute glaucoma treatment. *Theranostics*, 16(2), 830.

Lv Z, et al. (2026) A temporally functional composite hydrogel scaffold for cranial defect repair via sequential modulation of angiogenesis and osteogenesis. *Theranostics*, 16(3), 1445.

Huang T, et al. (2026) Lactylation-driven NSUN2-mediated RNA m5C modification promotes perineural invasion in pancreatic cancer. *Theranostics*, 16(4), 1782.

Dou S, et al. (2026) ROCK inhibition promotes axon and myelin regeneration via PI3K/Akt/GSK3 β in a mouse sciatic nerve injury model. *International journal of molecular medicine*, 57(1).

Shi G, et al. (2026) Versatile smart hydrogels for spatiotemporal drug delivery to orchestrate diabetic bone regeneration. *Bioactive materials*, 55, 754.