

Resource Summary Report

Generated by [dkNET](#) on Aug 28, 2026

WF/IcoCrl

RRID:RGD_2312511

Type: Organism

Proper Citation

RRID:RGD_2312511

Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=2312511>

Proper Citation: RRID:RGD_2312511

Description: Rattus norvegicus with name WF/IcoCrl from RGD.

Species: Rattus norvegicus

Notes: Furth developed this strain at Roswell Park Memorial Institute, Buffalo, NY, USA in 1945 starting from a commercial colony of Wistar rats. Acquired by Charles River from the Microbiological Associates, Bethesda, Maryland, USA. Introduced to Charles River France in 1970. [Charles River Laboratories](#)

Catalog Number: 2312511

Background: inbred

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Unknown

Alternate IDs: 2312511

Organism Name: WF/IcoCrl

Record Creation Time: 20230509T191939+0000

Record Last Update: 20260815T190657+0000

Ratings and Alerts

No rating or validation information has been found for WF/IcoCrl.

No alerts have been found for WF/IcoCrl.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Rat Genome Database (RGD)

Usage and Citation Metrics

We found 26 mentions in open access literature.

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

Yusuf M, et al. (2026) 4-Hydroxybenzyl isothiocyanate as a novel hydrogen sulfide-releasing antihypertensive agent. The Journal of pharmacology and experimental therapeutics, 393(6), 104904.

Wronikowska-Denysiuk O, et al. (2026) Untangling Mephedrone-Induced Social Reward in Rats-The Involvement of Oxytocin and Vasopressin V1A Receptors. Genes, brain, and behavior, 25(4), e70057.

Martelli A, et al. (2025) Trimethylamine N-Oxide (TMAO) Acts as Inhibitor of Endothelial Nitric Oxide Synthase (eNOS) and Hampers NO Production and Acetylcholine-Mediated Vasorelaxation in Rat Aortas. Antioxidants (Basel, Switzerland), 14(5).

Tsotsokou G, et al. (2024) Muscarinic Modulation of Network Excitability and Short-Term Dynamics in the Dorsal and Ventral Hippocampus. microPublication biology, 2024.

Kitchener EJA, et al. (2023) Activated microglia release β -galactosidase that promotes inflammatory neurodegeneration. Frontiers in aging neuroscience, 15, 1327756.

Garsen M, et al. (2023) Peroxisome proliferator-activated receptor γ agonist mediated inhibition of heparanase expression reduces proteinuria. EBioMedicine, 90, 104506.

Orciani C, et al. (2022) Long-term nucleus basalis cholinergic depletion induces attentional deficits and impacts cortical neurons and BDNF levels without affecting the NGF synthesis. Journal of neurochemistry, 163(2), 149.

Reid KM, et al. (2022) Brain Cells Release Calreticulin That Attracts and Activates Microglia, and Inhibits Amyloid Beta Aggregation and Neurotoxicity. Frontiers in immunology, 13, 859686.

Mao LM, et al. (2021) Roles of adenosine A1 receptors in the regulation of SFK activity in the rat forebrain. Brain and behavior, 11(8), e2254.

Puigdel·l·vol M, et al. (2021) The microglial P2Y6 receptor mediates neuronal loss and memory deficits in neurodegeneration. Cell reports, 37(13), 110148.

Koos K, et al. (2021) Automatic deep learning-driven label-free image-guided patch clamp system. *Nature communications*, 12(1), 936.

Allendorf DH, et al. (2020) Lipopolysaccharide activates microglia via neuraminidase 1 desialylation of Toll-like Receptor 4. *Journal of neurochemistry*, 155(4), 403.

Malkani S, et al. (2020) Circulating miRNA Spaceflight Signature Reveals Targets for Countermeasure Development. *Cell reports*, 33(10), 108448.

Martelli A, et al. (2020) Erucin exhibits vasorelaxing effects and antihypertensive activity by H2 S-releasing properties. *British journal of pharmacology*, 177(4), 824.

Mir FR, et al. (2020) Gonadal hormone-independent sex differences in GABAA receptor activation in rat embryonic hypothalamic neurons. *British journal of pharmacology*, 177(13), 3075.

Mao LM, et al. (2020) Linkage of Non-receptor Tyrosine Kinase Fyn to mGlu5 Receptors in Striatal Neurons in a Depression Model. *Neuroscience*, 433, 11.

Crunfli F, et al. (2019) Cannabinoid Receptor Type 1 Agonist ACEA Improves Cognitive Deficit on STZ-Induced Neurotoxicity Through Apoptosis Pathway and NO Modulation. *Neurotoxicity research*, 35(3), 516.

Crunfli F, et al. (2018) NO-Dependent Akt Inactivation by S-Nitrosylation as a Possible Mechanism of STZ-Induced Neuronal Insulin Resistance. *Journal of Alzheimer's disease : JAD*, 65(4), 1427.

Mao LM, et al. (2018) Alterations in mGlu5 receptor expression and function in the striatum in a rat depression model. *Journal of neurochemistry*, 145(4), 287.

Rempe RG, et al. (2018) Matrix Metalloproteinase-Mediated Blood-Brain Barrier Dysfunction in Epilepsy. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 38(18), 4301.