

Resource Summary Report

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Columbus Instruments: Oxymax-CLAMS

RRID:SCR_016718

Type: Tool

Proper Citation

Columbus Instruments: Oxymax-CLAMS (RRID:SCR_016718)

Resource Information

URL: <https://www.colinst.com/oxymax-clams>

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Description: Instrumentation for monitoring behavior and physiology in lab animals by Columbus Instruments. Used for simultaneous multi parameter assessment of 1 to 32 test animals with automated operation for experiments lasting up to three days.

Abbreviations: CLAMS

Synonyms: Comprehensive Lab Animal Monitoring System

Resource Type: instrument resource

Keywords: instrument, monitor, behavior, physiology, lab animal

Availability: Commercially available

Resource Name: Columbus Instruments: Oxymax-CLAMS

Resource ID: SCR_016718

Alternate URLs:

https://physiology.case.edu/media/eq_manuals/eq_manual_clams_brochure.pdf

Old URLs: <http://www.colinst.com/>

Record Creation Time: 20220129T080332+0000

Record Last Update: 20260801T190551+0000

Ratings and Alerts

No rating or validation information has been found for Columbus Instruments: Oxymax-CLAMS.

No alerts have been found for Columbus Instruments: Oxymax-CLAMS.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 456 mentions in open access literature.

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

Feetham CH, et al. (2026) Analog of prolactin-releasing peptide reduces body weight primarily through sustained fatty acid oxidation rather than hypophagia. *Cell metabolism*, 38(1), 100.

Yu J, et al. (2025) E3 ligase FBXW7 suppresses brown fat expansion and browning of white fat. *EMBO reports*, 26(3), 748.

de Jesus AA, et al. (2025) PI3K in the VMH Attenuates Diet-Induced Obesity and Participates in the Effects of E2 on Energy Expenditure in Mice. *Journal of the Endocrine Society*, 9(7), bvaf080.

Jian S, et al. (2025) Gallic acid prevents obesity in mice on a high-fat diet via the gut microbiota-adipose tissue axis. *Current research in food science*, 10, 101084.

Shanmugam G, et al. (2025) Severe attenuation of circadian clock output in the heart following sustained augmentation of cardiomyocyte protein O-GlcNAcylation. *Frontiers in cardiovascular medicine*, 12, 1601407.

Zong J, et al. (2025) Adipocyte-derived shed Syndecan-4 suppresses lipolysis contributing to impaired adipose tissue browning and adaptive thermogenesis. *Molecular metabolism*, 96, 102133.

Wang B, et al. (2025) Epac1 mediates thermogenesis and lipolysis in white adipose tissue via the p38 γ -NFAT5 axis in a PKA-independent manner. *Clinical science (London, England : 1979)*, 139(12), 649.

Dimitriou N, et al. (2025) Adaptation and validation of the Greek version of the Communication and Language Assessment questionnaire for persons with Multiple Sclerosis (CLAMS). *Archives of clinical neuropsychology : the official journal of the National Academy of Neuropsychologists*, 40(3), 635.

Mandal J, et al. (2025) Ketone body mediated histone γ -hydroxybutyrylation is reno-protective. *bioRxiv : the preprint server for biology*.

Wu X, et al. (2025) Chchd10: A Novel Metabolic Sensor Modulating Adipose Tissue Homeostasis. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 12(15), e2408763.

Ciorciari AM, et al. (2025) Exercise as a Synchronizer: Effects on Circadian Re-Entrainment of Core Body Temperature and Metabolism Following Light-Dark Cycle Inversion in Mice. *Journal of pineal research*, 77(3), e70057.

Zhuang Y, et al. (2025) Chaperone-mediated autophagy manipulates PGC1 α stability and governs energy metabolism under thermal stress. *Nature communications*, 16(1), 4455.

Nishimura ES, et al. (2025) DNA damage in proximal tubules triggers systemic metabolic dysfunction through epigenetically altered macrophages. *Nature communications*, 16(1), 3958.

Aberra YT, et al. (2025) Adipocyte-specific Krüppel-like factor 14 overexpression confers sex-biased protection from weight gain on a high-fat diet. *Physiological reports*, 13(15), e70513.

Dirnberger AS, et al. (2025) The metabolic advantage of being young and male in obesity treatment outcomes in mice. *npj metabolic health and disease*, 3(1), 32.

Jang HR, et al. (2025) Skeletal Muscle-Specific Deletion of E3 Ligase Asb2 Enhances Muscle Mass and Strength. *Journal of cachexia, sarcopenia and muscle*, 16(4), e70007.

Yesian AR, et al. (2025) Preadipocyte IL-13/IL-13R α 1 signaling regulates beige adipogenesis through modulation of PPAR γ activity. *The Journal of clinical investigation*, 135(11).

Ren G, et al. (2025) Endothelial autophagy-related gene 7 contributes to high fat diet-induced obesity. *Molecular metabolism*, 93, 102099.

Xie J, et al. (2025) Young gut microbiota transplantation improves the metabolic health of old mice. *mSystems*, 10(6), e0160124.

Simbulan RK, et al. (2025) Impact of embryo culture and day of embryo transfer on the cardiometabolic health of adult mice $\dagger$. *Biology of reproduction*, 113(3), 657.