

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: 20260808T190100+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 486 mentions in open access literature.

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

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.

Di Pierdomenico C, et al. (2026) Prenatal Methyl Nutrient Availability Shapes Mesolimbic Dopaminergic Circuitry and Systemic Inflammation in Wistar Rat Offspring of Both Sexes. *Journal of neurochemistry*, 170(5), e70468.

Prakash B, et al. (2026) Cysteine 129 in Pla2g12b Is Critical for Intestinal and Hepatic Lipoprotein Secretion in Mice. *Cellular and molecular gastroenterology and hepatology*, 20(5), 101712.

Ginnard OZB, et al. (2026) Vitamin D is glucoprotective in aging males but not females. *The Journal of steroid biochemistry and molecular biology*, 256, 106898.

Selby M, et al. (2026) Intestinal stearyl-CoA desaturase-2 is highly expressed and nutritionally regulated but dispensable for energy balance. *Biochimica et biophysica acta. Molecular and cell biology of lipids*, 1871(3), 159735.

Hu R, et al. (2026) Maternal Fine Particulate Matter Exposure Impairs Inguinal White Adipose Tissue Plasticity in Middle-Aged Male Mouse Offspring. *ACS nano*, 20(6), 5054.

Paez HG, et al. (2026) Impact of sarcopenia and obesity on skeletal muscle size, gene expression, and mitochondrial function. *GeroScience*, 48(1), 1219.

Valdez-Palomares F, et al. (2026) Human fecal transplantation from stunted children promotes metabolic dysfunction in mice fed with a high-fat and high-fructose corn syrup diet. *Gut microbes*, 18(1), 2651984.

Pan JP, et al. (2026) Reduced ULK1 links impaired autophagy and mitophagy to Alzheimer's disease pathology. *Nature aging*, 6(5), 1079.

Wang Z, et al. (2026) Gabp?-Ppar? Complex Determines Glycolytic Capacity and Lactic Acid Homeostasis in Brown Fat. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 13(8), e17426.

Wang J, et al. (2026) Regulation of physical activity and energy expenditure through Phf6 in the medial preoptic area. *Nature communications*, 17(1).

Muzaffar F, et al. (2026) Feeding Behaviour in the KPC Model of Pancreatic Cancer-Associated Cachexia: Alteration of Spontaneous and Evoked Feeding Behaviours. *Journal of cachexia, sarcopenia and muscle*, 17(2), e70262.

Zhang X, et al. (2026) Endothelial IRE1 β promotes thrombospondin-1 mRNA decay and supports metabolic stress adaptation of pancreatic islets. *Nature communications*, 17(1), 1552.

Godschall EN, et al. (2026) A brain reward circuit inhibited by next-generation weight-loss drugs in mice. *Nature*, 654(8120), 1055.

Valcin JA, et al. (2026) Short-term time-restricted feeding improves metabolic rhythms and liver mitochondrial bioenergetic function in high-fat diet-fed mice. *Function (Oxford, England)*, 7(2), e0822025.

Mi L, et al. (2026) Tirzepatide retention in iWAT with mesoporous polydopamine encapsulation enhances weight loss through leptin receptor signaling. *Journal of advanced research*, 84, 1089.

Shi R, et al. (2026) The novel synbiotic (*Lactiplantibacillus plantarum* and galacto-oligosaccharides) ameliorates obesity-related metabolic dysfunction: Arginine as a key mediator signaling molecule. *Journal of advanced research*, 81, 111.

Wu J, et al. (2026) Myokine SIRP β exacerbates kidney disease in diabetes. *JCI insight*, 11(3).

Moscalu A, et al. (2026) Sleeve gastrectomy protects lean mice from future obesity. *bioRxiv : the preprint server for biology*.

Zhang Y, et al. (2026) Loss of TMEM65 in mice causes mitochondrial disease mediated by mitochondrial Ca²⁺. *Nature communications*, 17(1).