Resource Summary Report

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MED Associates Activity Monitor software

RRID:SCR_014296
Type: Tool

Proper Citation

MED Associates Activity Monitor software (RRID:SCR_014296)

Resource Information

URL: http://www.med-associates.com/product/activity-monitor/

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Description: Software designed to record and organize data. All experiments and subject data are entered into a database, with all subject data linked together allowing the software to track everything, and save it based on the assigned Subject ID. All standard data is displayed in real time along with a cumulative plot of the subject's activity for all chambers. Users may choose the specific chamber size allowing for distance traveled to be measured in real units instead of beams broken. A rotational analysis option allows examination of large or small rotations, allowing for rotational measures to be obtained on staggering, ataxic, lesioned, or other loco-motor impaired mice or rats. Zonal analysis allows the user to change boundaries around the animal in post analysis. Up to eight systems can be connected to one computer.

Synonyms: MED Associates Activity Monitor, Activity Monitor

Resource Type: software resource, data management software, software application

Keywords: data management software, rotational measures, record data, organize data

Availability: Pay for product

Resource Name: MED Associates Activity Monitor software

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Ratings and Alerts

No rating or validation information has been found for MED Associates Activity Monitor software.

No alerts have been found for MED Associates Activity Monitor software.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 19 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Binh Tran TD, et al. (2023) Microbial glutamate metabolism predicts intravenous cocaine self-administration in diversity outbred mice. Neuropharmacology, 226, 109409.

Tran TDB, et al. (2023) The microbial community dynamics of cocaine sensitization in two behaviorally divergent strains of collaborative cross mice. Genes, brain, and behavior, e12845.

Li J, et al. (2022) Dnmt3a knockout in excitatory neurons impairs postnatal synapse maturation and increases the repressive histone modification H3K27me3. eLife, 11.

Li J, et al. (2020) Defective memory engram reactivation underlies impaired fear memory recall in Fragile X syndrome. eLife, 9.

Kharouf Q, et al. (2020) The hyperpolarization-activated cyclic nucleotide-gated 4 channel as a potential anti-seizure drug target. British journal of pharmacology, 177(16), 3712.

Fewou SN, et al. (2019) Transgenic overexpression of polysialyltransferase ST8SiaIV under the control of a neuron-specific promoter does not affect brain development but impairs exploratory behavior. Glycobiology, 29(9), 657.

Weiss MS, et al. (2019) Taste Responses in the Nucleus of the Solitary Tract of Awake Obese Rats Are Blunted Compared With Those in Lean Rats. Frontiers in integrative neuroscience, 13, 35.

Norwood JN, et al. (2019) Anatomical basis and physiological role of cerebrospinal fluid transport through the murine cribriform plate. eLife, 8.

Scheggi S, et al. (2018) Antidepressant and pro-motivational effects of repeated lamotrigine treatment in a rat model of depressive symptoms. Heliyon, 4(10), e00849.

Fischer BD, et al. (2017) Pharmacological and antihyperalgesic properties of the novel ?2/3 preferring GABAA receptor ligand MP-III-024. Brain research bulletin, 131, 62.

Scheggi S, et al. (2016) PPAR? modulation of mesolimbic dopamine transmission rescues depression-related behaviors. Neuropharmacology, 110(Pt A), 251.

Harrington AJ, et al. (2016) MEF2C regulates cortical inhibitory and excitatory synapses and behaviors relevant to neurodevelopmental disorders. eLife, 5.

Scheggi S, et al. (2015) Impramine, fluoxetine and clozapine differently affected reactivity to positive and negative stimuli in a model of motivational anhedonia in rats. Neuroscience, 291, 189.

Gafford G, et al. (2014) Grin1 receptor deletion within CRF neurons enhances fear memory. PloS one, 9(10), e111009.

Scheggi S, et al. (2013) Influence of palatability on motivation to operate for caloric and non-caloric food in non food-deprived and food-deprived rats. Neuroscience, 236, 320.

Li X, et al. (2010) Activation of mGluR7s inhibits cocaine-induced reinstatement of drug-seeking behavior by a nucleus accumbens glutamate-mGluR2/3 mechanism in rats. Journal of neurochemistry, 114(5), 1368.

Bagot RC, et al. (2009) Maternal care determines rapid effects of stress mediators on synaptic plasticity in adult rat hippocampal dentate gyrus. Neurobiology of learning and memory, 92(3), 292.

Xi ZX, et al. (2005) Selective dopamine D3 receptor antagonism by SB-277011A attenuates cocaine reinforcement as assessed by progressive-ratio and variable-cost-variable-payoff fixed-ratio cocaine self-administration in rats. The European journal of neuroscience, 21(12), 3427.

Kennedy CH, et al. (2002) Effects of REM sleep deprivation on a multiple schedule of appetitive reinforcement. Behavioural brain research, 128(2), 205.