

Resource Summary Report

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MP Biochemicals: FastPrep24 Sample Preparation

RRID:SCR_018599

Type: Tool

Proper Citation

MP Biochemicals: FastPrep24 Sample Preparation (RRID:SCR_018599)

Resource Information

URL: <https://www.mpbio.com/fastprep-24-5g-instrument>

Proper Citation: MP Biochemicals: FastPrep24 Sample Preparation (RRID:SCR_018599)

Description: Sample disruption instrument that can homogenize, grind, or lyse biological samples. Samples are added to individual lysing matrix tubes and shaken in tridimensional motion.

Resource Type: instrument resource

Keywords: Sample Preparation, Instrument, Equipment, USEEdit, ABRF, MP Biochemicals

Resource Name: MP Biochemicals: FastPrep24 Sample Preparation

Resource ID: SCR_018599

Alternate IDs: SCR_020301, Model_Number_FastPrep24

Alternate URLs: <https://www.mpbio.com/media/productattachment/LS042019-EN-Sample-Preparation-Brochure.pdf>

Record Creation Time: 20220129T080341+0000

Record Last Update: 20260725T190852+0000

Ratings and Alerts

No rating or validation information has been found for MP Biochemicals: FastPrep24 Sample Preparation.

No alerts have been found for MP Biochemicals: FastPrep24 Sample Preparation.

Data and Source Information

Usage and Citation Metrics

We found 33 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

von Ameln Lovison O, et al. (2025) Unveiling the role of the upper respiratory tract microbiome in susceptibility and severity to COVID-19. *Frontiers in cellular and infection microbiology*, 15, 1531084.

Del Val E, et al. (2025) MyD88 polymerization and association to cellular membranes in a yeast heterologous model. *Cellular and molecular life sciences : CMLS*, 82(1), 288.

Tinsley H, et al. (2025) Interleukin-1 β Stimulates Matrix Metalloproteinase 10 Secretion: A Possible Mechanism in Trophoblast-Dependent Spiral Artery Remodeling. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 39(9), e70597.

Reynaud M, et al. (2025) The multi-level effect of chlorpyrifos during clownfish metamorphosis. *Molecular and cellular endocrinology*, 603, 112535.

Prem EM, et al. (2023) Effects of phenyl acids on different degradation phases during thermophilic anaerobic digestion. *Frontiers in microbiology*, 14, 1087043.

Valenti M, et al. (2023) Human gasdermin D and MLKL disrupt mitochondria, endocytic traffic and TORC1 signalling in budding yeast. *Open biology*, 13(5), 220366.

Lee JS, et al. (2020) Effects of Genetic and Pharmacologic Inhibition of COX-2 on Colitis-associated Carcinogenesis in Mice. *Journal of cancer prevention*, 25(1), 27.

Argaev Frenkel L, et al. (2019) N-Acetyl-L-Cysteine Supplement in Early Life or Adulthood Reduces Progression of Diabetes in Nonobese Diabetic Mice. *Current developments in nutrition*, 3(4), nzy097.

Jones ND, et al. (2019) Prototype foamy virus intasome aggregation is mediated by outer protein domains and prevented by protocatechuic acid. *Scientific reports*, 9(1), 132.

Albers RE, et al. (2018) TGF- β induces Smad2 Phosphorylation, ARE Induction, and Trophoblast Differentiation. *International journal of stem cells*, 11(1), 111.

Li Y, et al. (2017) Modified apple polysaccharide prevents colitis through modulating IL-22 and IL-22BP expression. *International journal of biological macromolecules*, 103, 1217.

Li R, et al. (2017) Analytical Characterization of Methyl- β -Cyclodextrin for Pharmacological Activity to Reduce Lysosomal Cholesterol Accumulation in Niemann-Pick Disease Type C1 Cells. *Assay and drug development technologies*, 15(4), 154.

Li W, et al. (2016) G-CSF is a key modulator of MDSC and could be a potential therapeutic target in colitis-associated colorectal cancers. *Protein & cell*, 7(2), 130.

- Ellegaard AM, et al. (2016) Repurposing Cationic Amphiphilic Antihistamines for Cancer Treatment. *EBioMedicine*, 9, 130.
- Hurst MN, et al. (2016) Two-Dimensional Fluorescence Difference Spectroscopy to Characterize Nanoparticles and their Interactions. *Scientific reports*, 6, 33287.
- Linher-Melville K, et al. (2014) The transcriptional responsiveness of LKB1 to STAT-mediated signaling is differentially modulated by prolactin in human breast cancer cells. *BMC cancer*, 14, 415.
- Pascucci L, et al. (2014) Paclitaxel is incorporated by mesenchymal stromal cells and released in exosomes that inhibit in vitro tumor growth: a new approach for drug delivery. *Journal of controlled release : official journal of the Controlled Release Society*, 192, 262.
- Sitges M, et al. (2014) Sertraline reduces IL-1 β and TNF- α mRNA expression and overcomes their rise induced by seizures in the rat hippocampus. *PloS one*, 9(11), e111665.
- Moparthy SB, et al. (2013) Transient conformational remodeling of folding proteins by GroES-individually and in concert with GroEL. *Journal of chemical biology*, 7(1), 1.
- Tsuge M, et al. (2013) SUMOylation of damaged DNA-binding protein DDB2. *Biochemical and biophysical research communications*, 438(1), 26.