

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, USEdit, 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: 20260912T195903+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 34 mentions in open access literature.

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

Huang KK, et al. (2026) Mutational Signatures and Clonal Hematopoiesis in Intestinal Metaplasia across Countries with Varying Stomach Cancer Incidence. *Cancer discovery*, 16(3), 497.

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? 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.

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.

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

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.