

# Resource Summary Report

Generated by [RRID](#) on Apr 11, 2025

## MP Biochemicals FastPrep24 Sample Preparation

RRID:SCR\_018599

Type: Tool

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### Proper Citation

MP Biochemicals FastPrep24 Sample Preparation (RRID:SCR\_018599)

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### 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

**Funding:**

**Availability:** Commercially available

**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:** 20250410T071025+0000

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### 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.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 29 mentions in open access literature.

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

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- $\beta$  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- $\beta$ -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.

Sitges M, et al. (2014) Sertraline reduces IL-1 $\beta$  and TNF- $\alpha$  mRNA expression and overcomes their rise induced by seizures in the rat hippocampus. *PloS one*, 9(11), e111665.

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.

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.

Pietrement C, et al. (2013) Chronic increase of urea leads to carbamylated proteins accumulation in tissues in a mouse model of CKD. *PloS one*, 8(12), e82506.

Bilal H, et al. (2012) Larvicidal Activity of Citrus Limonoids against *Aedes albopictus* Larvae. *Journal of arthropod-borne diseases*, 6(2), 104.

Savitskaya MA, et al. (2012) Mitochondrial Pathway of  $\alpha$ -Tocopheryl Succinate-Induced Apoptosis in Human Epidermoid Carcinoma A431 Cells. *Acta naturae*, 4(3), 88.

Jung KM, et al. (2012) An amyloid  $\beta$ 42-dependent deficit in anandamide mobilization is associated with cognitive dysfunction in Alzheimer's disease. *Neurobiology of aging*, 33(8), 1522.