## **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

**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:** 20250420T014915+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

Source: SciCrunch Registry

### **Usage and Citation Metrics**

We found 29 mentions in open access literature.

**Listed below are recent publications.** The full list is available at NIF.

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-I-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-? induces Smad2 Phosphorylation, ARE Induction, and Trophoblast Differentiation. International journal of stem cells, 11(1), 111.

Li R, et al. (2017) Analytical Characterization of Methyl-?-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 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 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? and TNF-? 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.

Moparthi SB, et al. (2013) Transient conformational remodeling of folding proteins by GroEsindividually 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 ?-Tocopheryl Succinate-Induced Apoptosis in Human Epidermoid Carcinoma A431 Cells. Acta naturae, 4(3), 88.

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