

Resource Summary Report

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Diagenode: Bioruptor

RRID:SCR_023470

Type: Tool

Proper Citation

Diagenode: Bioruptor (RRID:SCR_023470)

Resource Information

URL: <https://www.diagenode.com/en/categories/bioruptor-shearing-device>

Proper Citation: Diagenode: Bioruptor (RRID:SCR_023470)

Description: Sonication system for optimal shearing of biological and chemical samples.

Synonyms: Bioruptor

Resource Type: instrument resource

Keywords: Diagenode, bioruptor, sonication system, biological and chemical samples shearing, samples shearing, instrument, equipment, USEdit

Availability: Restricted

Resource Name: Diagenode: Bioruptor

Resource ID: SCR_023470

Record Creation Time: 20230415T050208+0000

Record Last Update: 20260815T182740+0000

Ratings and Alerts

No rating or validation information has been found for Diagenode: Bioruptor.

No alerts have been found for Diagenode: Bioruptor.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 92 mentions in open access literature.

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

Berico P, et al. (2026) Chromatin architecture and physical constriction cooperate in phenotype switching and cancer cell dissemination. *bioRxiv : the preprint server for biology*.

Kühl M, et al. (2026) Methylome differences among barley inbreds and their association with genomic, transcriptomic, and phenotypic variation. *Journal of experimental botany*, 77(2), 411.

Kama Y, et al. (2026) Notch interaction with RUNX factors regulates initiation of the T-lineage program. *The Journal of experimental medicine*, 223(2).

Forrest KM, et al. (2026) Role of IL-10 signaling in the circadian control of host response to influenza infection. *Mucosal immunology*, 19(1), 1666.

Liu S, et al. (2026) SLC7A5-ERBB2 axis drives olaparib resistance via de novo lipid synthesis in ovarian cancer. *Oncogene*, 45(2), 140.

Hanquier JN, et al. (2026) Characterization of Lysine Methylation During Neuronal Differentiation of LUHMES cells. *bioRxiv : the preprint server for biology*.

Yin Q, et al. (2025) Transcription factor ZNF263 primes human embryonic stem cells for pluripotency dissolution and lineage commitment. *Nature communications*, 16(1), 9757.

Miao T, et al. (2025) Renal Coenzyme A (CoA) Production Fuels Stem Cell Proliferation and Tumor Growth. *bioRxiv : the preprint server for biology*.

Hure V, et al. (2025) Alternative silencing states of transposable elements in Arabidopsis associated with H3K27me3. *Genome biology*, 26(1), 11.

Arenillas C, et al. (2025) Convergent Genetic Adaptation in Human Tumors Developed Under Systemic Hypoxia and in Populations Living at High Altitudes. *Cancer discovery*, 15(5), 1037.

Figuerola-Bou E, et al. (2025) KDM6 Demethylases Contribute to EWSR1::FLI1-Driven Oncogenic Reprogramming in Ewing Sarcoma. *Cancer research*, 85(22), 4485.

Teng M, et al. (2025) Circular RMST cooperates with lineage-driving transcription factors to govern neuroendocrine transdifferentiation. *Cancer cell*, 43(5), 891.

Liu Y, et al. (2025) Hepatic gluconeogenesis and PDK3 upregulation drive cancer cachexia in flies and mice. *Nature metabolism*, 7(4), 823.

Gupta G, et al. (2025) FANCA Deficiency Induces Oncogenic R-Loop Dependent Synthetic Lethality with PARP1 Inhibitors. *Research square*.

Zehetbauer F, et al. (2025) Transcriptional memory drives accelerated re-activation of several biosynthetic gene clusters in *Aspergillus nidulans*. *Microbiological research*, 291, 127981.

Liu H, et al. (2024) ZNFX1 promotes AMPK-mediated autophagy against *Mycobacterium tuberculosis* by stabilizing Prkaa2 mRNA. *JCI insight*, 9(1).

Cicardi ME, et al. (2024) The nuclear import receptor Kap β 2 modifies neurotoxicity mediated by poly(GR) in C9orf72-linked ALS/FTD. *Communications biology*, 7(1), 376.

Salgado S, et al. (2024) Human PC4 supports telomere stability and viability in cells utilizing the alternative lengthening of telomeres mechanism. *EMBO reports*, 25(12), 5294.

Cordero J, et al. (2024) Nuclear microRNA 9 mediates G-quadruplex formation and 3D genome organization during TGF- β -induced transcription. *Nature communications*, 15(1), 10711.

Kanwal N, et al. (2024) GPATCH4 regulates rRNA and snRNA 2'-O-methylation in both DHX15-dependent and DHX15-independent manners. *Nucleic acids research*, 52(4), 1953.