

Resource Summary Report

Generated by [dkNET](#) on Aug 12, 2026

Bio-Rad: 1000 1000

RRID:SCR_019685

Type: Tool

Proper Citation

Bio-Rad: 1000 1000 (RRID:SCR_019685)

Resource Information

URL: <https://www.bio-rad.com/en-us/product/pds-1000-he-hepta-systems?ID=1730e08d-f43a-46ea-b7f3-7b35c04c36eb>

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Description: PDS-1000/He is a Particle Delivery System that accelerates nucleic acid coated gold or tungsten microparticles (0.6-1.6 μ m) to velocities necessary to transfect cells, tissues, or organelles. The system uses a burst of high-pressure helium gas to accelerate a plastic macrocarrier disk carrying microparticles toward target cells. The helium pressure used to propel the macrocarrier is determined by the choice of rupture disk, a plastic seal designed to burst at a specific pressure. A stopping screen retains the macrocarrier while allowing the microparticles to pass through and penetrate the target cells. To increase the efficiency of the process, the chamber may be evacuated to subatmospheric pressures, reducing the frictional drag on the microparticles as they travel toward the target cells

Resource Type: instrument resource

Keywords: Bio-Rad, Particle Delivery System, Instrument Equipment, USEdit

Resource Name: Bio-Rad: 1000 1000

Resource ID: SCR_019685

Alternate IDs: Model_Number_PDS 1000

Record Creation Time: 20220129T080346+0000

Record Last Update: 20260808T190138+0000

Ratings and Alerts

No rating or validation information has been found for Bio-Rad: 1000 1000.

No alerts have been found for Bio-Rad: 1000 1000.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Stemm-Wolf AJ, et al. (2026) Big1 is a cell-cycle regulator linking cell size to basal body number in *Tetrahymena thermophila*. *Current biology* : CB, 36(7), 1882.