Resource Summary Report

Generated by dkNET on Aug 24, 2026

Bio-Rad: Biolistic PDS-1000/He Particle Delivery System

RRID:SCR_019685
Type: Tool

Proper Citation

Bio-Rad: Biolistic PDS-1000/He Particle Delivery System (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

Proper Citation: Bio-Rad: Biolistic PDS-1000/He Particle Delivery System (RRID:SCR_019685)

Description: Particle Delivery System that accelerates nucleic acid coated gold or tungsten microparticles (0.6 1.6 um) 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

Specification URL: https://raw.githubusercontent.com/SciCrunch/RRID-Instruments/refs/heads/main/PDF/SCR_019685.pdf

Resource Name: Bio-Rad: Biolistic PDS-1000/He Particle Delivery System

Resource ID: SCR_019685

Alternate IDs: Model_Number_PDS-1000/He

Record Creation Time: 20220129T080346+0000

Record Last Update: 20260821T043032+0000

Ratings and Alerts

No rating or validation information has been found for Bio-Rad: Biolistic PDS-1000/He Particle Delivery System.

No alerts have been found for Bio-Rad: Biolistic PDS-1000/He Particle Delivery System.

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.