

GJ-1000 High-Pressure Gas Gene Gun

GENE GUN

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Gene gun technology (particle bombardment) is a kind of all-new gene-delivery technology, it will be the size of a micron, gold or a nucleic acid of tungsten particles accelerated to the required speed, thus genes into the cells, tissues or organs. Get instant stability and high efficient expression, transformation. Has the characteristics of rapid, simple, safe and efficient.

- A simple, rapid and flexible, a variety of cell types
- Help the instantaneous expression and stable expression
- Only a small amount of DNA and cells, no carrier DNA
- To common import, for large fragment DNA plasmid unlimited
- In vivo and in vitro transformation and high specificity
- Bombardment ventricular unique round transformation, removable, convenient cleaning and disinfection;
- Material use cost low, every gun in addition to the high pressure gas costs 3 USD less.
- High repeatability
- Other methods could not be completed, with special growth need cell transformation
- Uniform particle distribution
- The biggest control experimental process

APPLICATION AREA

- Animals: tissues (skin, organs), cells, organs, etc
- Plants: living plants, leaves, or other plant tissues
- Yeast, bacteria, and other microorganisms
- Gene expression research
- Agricultural biotechnology and crop improvement
- Plants vaccines



SYSTEM STANDARD CONFIGURATION

Host, vacuum pump, 1000 gun dissipation (3.5/4.5/7Mpa ruptured membrane, carrier film, stainless steel mat, 2 bottles gold powder, 1 bottle of tungsten powder)



Target Region	(big) 40cm ²
Pressure range	3-12MPa
Target Type	Animals: cell and organ culture Plants: The smaller of the whole plants, cell culture, explant, yeast, bacteria and other micro-organelles, chloroplast, mitochondria
Voltage	220V/110V
Gas	Helium or nitrogen (helium is more optimized)
Metal Particle	Φ0.8-1.5μm