



GG-1000 High-Pressure Gas

| Gene Gun

☰ Details Info

Description:

Gene gun technology (particle bombardment) is a all-new gene-delivery technology, also a physical method, in which the genetic material or other substances attached to a high-speed microbomb are shot directly into the cells, so it is a late gene-transferred technology internationally. The pneumatic Gas gene gun can make a wide range of cell types instantly stable and highly-efficient transformation. The gene gun has a special rupture which generates a gas shock wave. The degree of Helium-pressure that drives the carrier film is determined by the different rupture films used in the process. Within a proper atmospheric pressure the different rupture films penetrate the DNA-coated microcarriers into the target cells at the bottom of the bombardment chamber. The gene gun is applicable in gene-transformation of plants and animals, cell cultures, embryos, bacteria and small animals. It has fast, simple, safe and efficient features. The device purchased by Genetics, Neuroscience Research Institutes under , Fudan University, Zhejiang University, Shandong Agricultural University, and other relevant units .Articles concerning the product were published, such as: Zhejiang University journal in the magazine 《Tea》 2002.28 (3) , Plant transformation technology by using the gene gun and its application prospects in tea Cultivation; Fudan University Genetic institute published abroad, "Transformation and Functional Expression of the rFCA-RRM2 Gene in Rice" in 《Plant Biology》 .

Characteristics:

a unique circular bombardment transformation room, removable for easy cleansing and disinfection, low cost.

Standard Configuration: host, vacuum pumps, breakage film, carrier film, stainless steel net, tungsten powder Experimental conditions In vitro, from the body, plants (in vivo)