

Closed Greenhouse for Genetically Modified Plants

Purpose: The greenhouse is used for screening of mutants containing exogenous T-DNA and for molecular breeding of new plants

Main Specifications:

- (1) Closed greenhouse for genetically modified plants (BTH-P211P: Nihonika)
- (2) Construction
 - (a) Glass-room(W6,500 × L6,300 × H4,387 mm), machinery room and preparatory room
 - (b) Shading net (auto-closing, maximum light cut ratio is 30%)
 - (c) Supplementary lighting (9 metal halide lamps)
 - (d) Pressure controlling (-20 Pa)
 - (e) Temperature controlling (by a programmable multi-controller, summer: $25\text{ }^{\circ}\text{C} \pm 3\text{ }^{\circ}\text{C}$, winter: $20\text{ }^{\circ}\text{C} \pm 3\text{ }^{\circ}\text{C}$)
 - (f) Automatic autoclave for waste water

Location and Date of Installation:

Environmental Science Research Laboratory, March 2004

