

## **Micropropagation Facility (MP)**

GBP is establishing a modern sophisticated laboratory to facilitate the R&D on tissue culture of medicinal and ornamental plants and other economically important plants of North East Region. This facility can be utilized to standardize and validate tissue culture protocols for plant improvement and commercial production of economically important and threatened species, secondary metabolite production and also for transgenic research. GBP will also provide technical support to interested professionals who want to associate with GBP to establish a venture on plant tissue culture. GBP will also work as a networking organization to promote the deployment of new technologies in this field.

### **Equipments available at Micropropagation Facility:**

#### **Stereo zoom microscope**

SteREO Discovery.V20, Carl Zeiss, Germany

##### *Features:*

- 20:1 zoom
- Available objective: 0.63x, 1.0x with 10x eyepieces
- Maximum resolution: 1000 LP/mm



#### **Vertical Autoclave**

MSW-101 (FAD), Macro Scientific, Delhi

##### *Features:*

- Useful for sterilization purpose at 121°C



## Digital pH meter

FiveEasy Plus FEP20, Mettler Toledo

### Features:

- Useful for a wide range of applications in various areas, such as food and beverage industry, water and environmental analysis, etc
- Fast change over between pH and mV parameters



## Hot air oven

OVFU, Indo, India

### Features:

- Temperature range: ambient 5°C to 250°C



## Magnetic stirrer with Hot plate

C-MAG HS7, IKA, Germany

### Features:

- Speed range: 100-1500 rpm
- Heating temperature range: 50-500°C

