5. Small natural light phytotron × 5
- Greenhouse unit: 1,800mm or wider doorways, 1,800mm or greater depth Exterior glass: 5mm or thicker float tempered glass Floor: 5mm or thicker punching panels
- Temperature: 15 − 35℃ ± 1℃
- Temperature control: Three-position control with platinum resistance thermometer sensor
- Outside air flow: 7r／h or more
- Air flow: Flows in through the entire floor, out through the wall
- Supplemental lighting: Metal halide lamp (ceiling-mounted) × 4 High-pressure sodium lamp × 1
- Lighting: LED light × 1
- Program control: Integrated multi-control with touch panel display Switchable between clock-based control and cumulative time control Integrated control of temperature, humidity, and lighting
- Safety functions: Ground-fault interrupter on each mains, automatic recovery after power failure, automatic system shutdown under abnormal conditions

6. Small artificial light phytotron × 2
- Facility dimensions: External dimensions ≥ 3,200mm (W) × ≥ 1,800mm (D) × ≥ 2,358mm (H) Internal dimensions ≥ 2,212mm (W) × ≥ 1,712mm (D) × ≥ 2,200mm (H)
- Panel specifications: 44mm or thicker prefabricated insulator panels
- Temperature: 7 − 35℃ ± 1℃ (with lights off) 10 − 35℃ ± 1℃ (with lights on)
- Temperature control: Three-position control with platinum resistance thermometer sensor
- Luminous intensity: 50,000Lx
- Outside air flow: 7.6r／h or more air change rates
- Wind velocity: 0.5m／s or less (at 500mm above floor)
- Air flow: Flows in through the floor, out through the wall
- Supplemental lighting: Metal halide lamp (ceiling-mounted) × 11
- Program control: Integrated multi-control with touch panel display Switchable between clock-based control and cumulative time control Integrated control of temperature, humidity, and lighting
- Safety functions: Ground-fault interrupter on each mains, automatic recovery after power failure, automatic system shutdown under abnormal conditions

7. Small artificial light phytotron × 2
- Facility dimensions: External dimensions ≥ 3,200mm (W) × ≥ 1,800mm (D) × ≥ 2,358mm (H) Internal dimensions ≥ 2,212mm (W) × ≥ 1,712mm (D) × ≥ 2,200mm (H)
- Panel specifications: 44mm or thicker prefabricated insulator panels
- Temperature: 4 − 10℃ ± 1℃
- Temperature control: Three-position control with platinum resistance thermometer sensor
- Luminous intensity: 50,000Lx
- Outside air flow: 7.6r／h or more air change rates
- Wind velocity: 0.5m／s or less (at 500mm above floor)
- Air flow: Flows in through the floor, out through the wall
- Supplemental lighting: High-intensity LED lamps × 12
- Program control: Integrated multi-control with touch panel display Switchable between clock-based control and cumulative time control Integrated control of temperature, humidity, and lighting
- Safety functions: Ground-fault interrupter on each mains, automatic recovery after power failure, automatic system shutdown under abnormal conditions

8. Artificial monochromatic light, multi-chamber incubator × 1
- Incubator size: 2,750mm or wider doorways, 1,300mm or greater depth
- Panel specifications: 44mm or thicker prefabricated insulator panels
- Temperature: 15 − 30℃ ± 1℃
- Temperature control: PID control with platinum resistance thermometer sensor
- Lighting: Far-red (monochromatic), 730 − 750um (relative spectral distribution) Number of lights: 6 upper and 7 lower lights Red (monochromatic), 660 − 667um (relative spectral distribution) Number of lights: 6 upper and 7 lower lights Blue (monochromatic), 450 − 457um (relative spectral distribution) Number of lights: 6 upper and 7 lower lights UV (monochromatic), 317um (relative spectral distribution) Number of lights: 6 upper and 7 lower lights
- Outside air flow: 5.5r／h or more
- Air conditioning: Flows in through the lower wall, out through the upper wall
- Safety functions: Current leakage warning, refrigerator faults, fan faults, chamber heater heating faults, chamber temperature upper／lower limit warning, automatic recovery after power failure, automatic system shutdown under abnormal conditions

9. P1 type natural light phytotron × 4
- The phytotron shall consist of an anteroom and a greenhouse unit, with the anteroom installed at the entrance of the greenhouse unit.
- The equipment shall be of P1 level.
- Greenhouse unit: 3,600mm or wider doorways, 4,500mm or greater depth Exterior glass: 5mm or thicker float tempered glass Roof: 5mm or thicker float tempered glass Floor: 5mm or thicker punching panels
- Temperature: 23 − 32℃ ± 3℃ in summer; −5 − 25℃ ± 3℃ in winter
- Temperature control: Three-position control with platinum resistance thermometer sensor
- Outside air flow: 7r／h or more
- Air flow: Flows in through the entire floor, out through the wall
- Supplemental lighting: Metal halide lamp × 4 High-pressure sodium lamp × 2
- Lighting: LED light × 2
- Program control: Integrated multi-control with touch panel display Switchable between clock-based control and cumulative time control Integrated control of temperature, humidity, and lighting
- Safety functions: Ground-fault interrupter on each mains, automatic recovery after power failure, automatic system shutdown under abnormal conditions
- Anteroom: Housing the air-conditioning unit and control board for the greenhouse unit

10. P1 type natural light phytotron × 1
- The phytotron shall consist of an anteroom and a greenhouse unit, with the anteroom installed at the entrance of the greenhouse unit.
- The equipment shall be of P1 level.
- Greenhouse unit: 3,600mm or wider doorways, 4,500mm or greater depth Exterior glass: 5mm or thicker float tempered glass Roof: 6mm or thicker heat reflective glass Floor: 5mm or thicker punching panels
- Temperature: 25 − 30℃ ± 3℃ during daytime; 20 − 25℃ ± 3℃ during nighttime
- Temperature control: Three-position control with platinum resistance thermometer sensor