



## FUNGAL GROWTH INCUBATOR

## FUNGAL GROWTH INCUBATOR BGH1Q1

### GEL CARD INCUBATOR

A gel card incubator can be suitable for many types of gel cards from different manufacturers.



2 independent incubation zones with a capacity for 12 gel cards.

Incubator for 24 gel cards in racks at 37 °C.

Digital interface screen for control and visualization of remaining incubation time and real temperature for each zone.

## SPECIFICATIONS

|                           |                          |
|---------------------------|--------------------------|
| Model                     | BGH1Q1                   |
| Old Model                 | BIFG-501                 |
| Temperature control range | 37 °C                    |
| Temperature uniformity    | $\pm 0.5$ °C             |
| Temperature stability     | $\pm 0.2$ °C             |
| Temperature accuracy      | <0.5 °C                  |
| Heating time              | 25 °C~37 °C $\leq 5$ min |
| Capacity                  | 24 gel cards             |
| Power                     | 220 V 3 A 200 W          |
| Dimension (LxWxH) mm      | 220x380x115 mm           |
| Alt Name                  | Gel Card Incubator       |

## FUNGAL GROWTH INCUBATOR BGH1R1 BGH1R2

### GEL CARD CENTRIFUGE

The gel card centrifuge holds automatic balance control and the user can set speed and centrifugation time. It can be suitable for many types of gel cards from different manufacturers.



Digital interface visor control and visualization of centrifuge speed and time remaining for processing.

Automatic balance control.

Pre-defined centrifugal parameters for optimum gel cards procession, acceleration, speed, braking and time.

Programmable audible alarms for end of centrifuge time periods.

## SPECIFICATIONS

| Model                | BGH1R1              | BGH1R2         |
|----------------------|---------------------|----------------|
| Old Model            | BIFG-502            | BIFG-503       |
| Speed range          | 800~1800 rpm        | 500~1500 rpm   |
| RCF. range           | 54~272xg            | 33~294xg       |
| Capacity             | 12 gel cards        | 24 gel cards   |
| Timer                | 1~20 min            |                |
| Noise                | ≤55 db(A)           |                |
| Power                | AC 100-240 V 85 W   |                |
| Dimension (LxWxH) mm | 440x340x170 mm      | 530x410x180 mm |
| Weight               | 7 kg                | 11.5 kg        |
| Alt Name             | Gel Card Centrifuge |                |



BGH1R1



BGH1R2

## FUNGAL GROWTH INCUBATOR BER1W1 BER1W2 BER1W3

MOULD CULTIVATION CABINET



1. Unique internal wind circulation structure design, breeze circulate fans make inner chamber temperature uniformity.
2. LCD display 30-stage program control , round move , ladder operating, intelligent PID temperature control system, high precise temperature control PT100 sensor equipped, high precise and stability import humidity sensor component to control humidity automatically.
3. Double door structure, with high quality stalinite to observe samples , outer door with magnetic strip, convenient to on and off, good sealing.
4. Intelligent defrosting function ensure device long-time run without frost.
5. Inner humidifying system with small particles , good humidity uniformity, low

## SPECIFICATIONS

| Model                    | BER1W1                                                 | BER1W2 | BER1W3 |
|--------------------------|--------------------------------------------------------|--------|--------|
| Cycle Mode               | Forced Convection                                      |        |        |
| Function                 |                                                        |        |        |
| --Temp. Range            | No humidification: 0 - 65°C, humidification: 10 - 65°C |        |        |
| --Temp. Resolution Ratio | 0.1°C                                                  |        |        |
| --Temp. Motion           | High Temp: ±0.5°C, Low Temp: ±1°C                      |        |        |
| --Temp. Uniformity       | ±1°C                                                   |        |        |
| --Humidity range         | 45% ~ 95%RH                                            |        |        |

|                                    |                                                                                                                                     |              |              |
|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------|
| --Humidity Stability               | ± 5%RH                                                                                                                              |              |              |
| Structure                          |                                                                                                                                     |              |              |
| --Inner Chamber                    | Mirror Stainless Steel                                                                                                              |              |              |
| --Outer Shell                      | Cold rolling steel electrostatic spraying exterior                                                                                  |              |              |
| --Insulation Layer                 | Polyurethane                                                                                                                        |              |              |
| --Heater                           | Stainless steel heater                                                                                                              |              |              |
| --Power Rating                     | 1.8kW                                                                                                                               | 2.0kW        | 2.2kW        |
| --Compressor                       | Air cooled hermetic compressor                                                                                                      |              |              |
| --Cryogen                          | R134a                                                                                                                               |              |              |
| --Defrost Structure                | Automatic control intelligent defrosting                                                                                            |              |              |
| --Humidifying method               | External                                                                                                                            |              |              |
| --Test Hole                        | Plastic test hole Φ 43mm                                                                                                            |              |              |
| --Sterilizing lamp                 | Standard ozone-free type                                                                                                            |              |              |
| --Controlled External Power Supply | Universal socket (one)                                                                                                              |              |              |
| --Temp. Control Mode               | 30 Segment LCD program                                                                                                              |              |              |
| --Temp. Setting Mode               | Touch button setting                                                                                                                |              |              |
| --Temp. Display Mode               | Measuring temperature: LCD upper row; Setting temperature: the lower row                                                            |              |              |
| --Humidity control mode            | AUTO                                                                                                                                |              |              |
| --Timer                            | 0-99.9h*30Segment (with timing wait function)                                                                                       |              |              |
| --Operation Function               | Fixed value operation, timing function, auto stop, Program operation                                                                |              |              |
| --Sensor                           | PT100                                                                                                                               |              |              |
| --Humidity sensor                  | High precision anti-condensation                                                                                                    |              |              |
| --Additional Function              | Deviation correction, Menu key lock, Power failure parameter memory, additional character: UV light, loop self diagnosis            |              |              |
| Safety Device                      | Over temperature alarm, over humidity alarm, water shortage alarm                                                                   |              |              |
| Specification                      |                                                                                                                                     | 751*730*1490 | 761*830*1690 |
| --Inner Chamber Size (W*L*H)(mm)   | 415*350*500                                                                                                                         | 490*400*750  | 500*515*950  |
| --Exterior Size (W*L*H)(mm)        | 571*591*1051                                                                                                                        | 646*641*1301 | 656*741*1501 |
| --Packing Size (W*L*H)(mm)         | 680*676*1235                                                                                                                        | 751*730*1490 | 761*830*1690 |
| --Volume                           | 70L                                                                                                                                 | 150L         | 250L         |
| --Load Per Rack                    | 15kg                                                                                                                                |              |              |
| --Shelf Number                     | 5                                                                                                                                   | 9            | 12           |
| --Shelf Space                      | 35mm                                                                                                                                |              |              |
| --Power Supply Current Rating      | AC220V/8.2A                                                                                                                         | AC220V/9.1A  | AC220V/10A   |
| --NW/GW (kg)                       | 69/92                                                                                                                               | 86/114       | 100/139      |
| Accessory                          |                                                                                                                                     |              |              |
| --Shelf                            | 2                                                                                                                                   |              |              |
| --Shelf Frame                      | 4                                                                                                                                   |              |              |
| Optional Accessories               | Spare shelf, Touch screen controller, RS485 interface USB interface and software, Printer, Recorder, Remote Control, U-disk storage |              |              |
| Alt Name                           | Mould Cultivation Cabinet                                                                                                           |              |              |



## FEATURES

1. Unique internal wind circulation structure design, breeze circulate fans make inner chamber temperature uniformity.
2. LCD display 30-stage program control , round move , ladder operating, intelligent PID temperature control system, high precise temperature control PT100 sensor equipped, high precise and stability import humidity sensor component to control humidity automatically.
3. Double door structure, with high quality stalinite to observe samples , outer door with magnetic strip, convenient to on and off, good sealing.
4. Intelligent defrosting function ensure device long-time run without frost.
5. Inner humidifying system with small particles , good humidity uniformity, low water consumption and function of alarm when there is short of water.

## APPLICATIONS

Constant temperature experiments and environmental tests for the need for humidity.

## FUNGAL GROWTH INCUBATOR BER1X1 BER1X2 BER1X3

CONSTANT TEMPERATURE AND HUMIDITY INCUBATORS



1. Unique internal wind circulation structure design, breeze circulate fans make inner chamber temperature uniformity.
2. Large LCD display, multiple data display at the same time, 30-stage program control, round move , ladder operating, with function of loop self-diagnose and sensor fault alarm.
3. Intelligent PID temperature control system, high precise temperature control PT100 sensor equipped, high precise and stability import humidity sensor component to control humidity automatically.
4. Double door structure, with high quality stalinite to observe samples , outer door with magnetic strip, convenient to on and off, good sealing.
5. Intelligent defrosting function ensure device long-time run without frost.

## SPECIFICATIONS

| Model                    | BER1X1                                                 | BER1X2 | BER1X3 |
|--------------------------|--------------------------------------------------------|--------|--------|
| Cycle Mode               | Forced Convection                                      |        |        |
| Function                 |                                                        |        |        |
| --Temp. Range            | No humidification: 0 - 65°C; humidification: 10 - 60°C |        |        |
| --Temp. Resolution Ratio | 0.1°C                                                  |        |        |
| --Temp. Motion           | High Temp: ±0.5°C, Low Temp: ±1°C                      |        |        |
| --Temp. Uniformity       | ±1°C                                                   |        |        |
| --Humidity Range         | 45% ~ 95%RH                                            |        |        |
| --Humidity Stability     | ±5%RH                                                  |        |        |

|                                    |                                                                                                    |                                                                                                     |              |
|------------------------------------|----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|--------------|
| Structure                          |                                                                                                    |                                                                                                     |              |
| --Inner Chamber                    | Mirror Stainless Steel                                                                             |                                                                                                     |              |
| --Outer Shell                      | Cold rolling steel electrostatic spraying exterior                                                 |                                                                                                     |              |
| --Insulation Layer                 | Polyurethane                                                                                       |                                                                                                     |              |
| --Heater                           | Stainless steel heater                                                                             |                                                                                                     |              |
| --Power Rating                     | 1.8kW                                                                                              | 2.0kW                                                                                               | 2.2kW        |
| --Compressor                       | Air cooled hermetic compressor                                                                     |                                                                                                     |              |
| --Cryogen                          | R134a                                                                                              |                                                                                                     |              |
| --Defrost Structure                | Automatic control intelligent defrosting                                                           |                                                                                                     |              |
| --Humidifying Method               | Internal                                                                                           |                                                                                                     |              |
| --Test Hole                        | Plastic test hole Φ 43mm                                                                           |                                                                                                     |              |
| --Controlled External Power Supply | Universal socket (one)                                                                             |                                                                                                     |              |
| --Temp. Setting Mode               | Touch button setting                                                                               |                                                                                                     |              |
| --Temp. Display Mode               | Measuring temperature: LCD upper row; Setting temperature: LCD lower row                           |                                                                                                     |              |
| --Humidity Control Mode            | AUTO                                                                                               |                                                                                                     |              |
| --Timer                            | 0-99.9h*30Segment (with timing wait function)                                                      |                                                                                                     |              |
| --Operation Function               | Timing function, Auto stop, Program operation                                                      |                                                                                                     |              |
| --Sensor                           | PT100                                                                                              |                                                                                                     |              |
| --Humidity Sensor                  | High precision anti-condensation                                                                   |                                                                                                     |              |
| --Additional Function              | LED light, deviation correction, Menu key lock, Power failure parameter memory loop self diagnosis | LED light, deviation correction, Menu key lock, Power failure parameter memory, loop self-diagnosis |              |
| Safety Device                      | Over temp alarm, Over humidity alarm, Water shortage alarm                                         |                                                                                                     |              |
| Specification                      |                                                                                                    |                                                                                                     |              |
| --Inner Chamber Size (W*L*H)(mm)   | 415*350*500                                                                                        | 490*400*750                                                                                         | 500*515*950  |
| --Exterior Size (W*L*H)(mm)        | 571*591*1051                                                                                       | 646*641*1301                                                                                        | 656*741*1501 |
| --Packing Size (W*L*H)(mm)         | 680*676*1235                                                                                       | 751*730*1490                                                                                        | 761*830*1690 |
| --Volume                           | 70L                                                                                                | 150L                                                                                                | 250L         |
| --Load Per Rack                    | 15kg                                                                                               |                                                                                                     |              |
| --Max. Shelf Number                | 5                                                                                                  | 9                                                                                                   | 12           |
| --Shelf Space                      | 60mm                                                                                               |                                                                                                     |              |
| --Supply (50/60Hz) Current Rating  | AC220V/8.2A                                                                                        | AC220V/9.1A                                                                                         | AC220V/10A   |
| --NW/GW (kg)                       | 69/92                                                                                              | 86/114                                                                                              | 100/139      |
| Accessory                          |                                                                                                    |                                                                                                     |              |
| --Shelf                            | 2                                                                                                  |                                                                                                     |              |
| Optional Accessories               | Spare shelf, USB Interface and software, printer, Recorder, remote control, U-disk storage         |                                                                                                     |              |
| Alt Name                           | Constant Temperature and Humidity Incubators                                                       |                                                                                                     |              |



## FEATURES

1. Unique internal wind circulation structure design, breeze circulate fans make inner chamber temperature uniformity.
2. Large LCD display, multiple data display at the same time, 30-stage program control, round move , ladder operating, with function of loop self-diagnose and sensor fault alarm.
3. Intelligent PID temperature control system, high precise temperature control PT100 sensor equipped, high precise and stability import humidity sensor component to control humidity automatically.
4. Double door structure, with high quality stalinite to observe samples , outer door with magnetic strip, convenient to on and off, good sealing.
5. Intelligent defrosting function ensure device long-time run without frost.
6. Inner humidifying system with small particles , good humidity uniformity, low water consumption and function of alarm when there is short of water.

## APPLICATIONS

Constant temperature experiments and environmental tests for humidity range.

## FUNGAL GROWTH INCUBATOR BEV104 TO BEV109

TEMPERATURE & HUMIDITY CHAMBER



Balanced refrigeration makes the temperature fluctuation small, integrates automatic defrosting and multi-layer safety protection to meet the needs of long-term operation. It is equipped with internationally famous brand compressors with delay protection function and operates smoothly.

Green environmental protection concept, using fluorine-free refrigerant to make the system more energy-saving and efficient, and make the environment healthier.

Reasonable air duct circulation system to ensure uniform temperature of working room;

The inner liner is made of SUS304 mirror stainless steel, which is more corrosion resistant than 201.

The shelf spacing and the number of shelves can be adjusted, the Ø50 stainless steel test hole is standard equipped, to facilitate the probe to import the inner t

## SPECIFICATIONS

| Model                          | BEV104           | BEV105           | BEV106            |
|--------------------------------|------------------|------------------|-------------------|
| Old Model                      | BIFG-101         | BIFG-102         | BIFG-103          |
| Temp range (°C)                | 0~65 H~90        |                  |                   |
| Accuracy (°C)                  | ±0.1             |                  |                   |
| Volatility (%)                 | ±0.5             |                  |                   |
| Humidity Range (%)             | 40%~95%          |                  |                   |
| Humidity fluctuation (%)       | ±2               |                  |                   |
| Timing range                   | 0~999 M/H        |                  |                   |
| Voltage (V)                    | 220              |                  |                   |
| Power (KW)                     | 0.6              | 0.8              | 1                 |
| Inner size (mm) (H*W*D)        | 580x450x380/100L | 800x500x380/150L | 1000x550x450/250L |
| Overall dimension (mm) (H*W*D) | 1100x590x620     | 1350x640x660     | 1550x690x660      |
| Packing size (mm) (H*W*D)      | 1220x670x700     | 1470x720x740     | 1670x770x740      |
| Net weight (KG)                | 83               | 95               | 120               |
| Shipping weight (KG)           | 90               | 110              | 135               |

|                                                                                                                                                                 |                                |                  |                   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|------------------|-------------------|
| "H" is temperature range from 0 to 90°C, and "MJ" is the mold incubator. They will be delivered in 8 days after order. The maximum load of each shelf is 20 KG. |                                |                  |                   |
| Alt Name                                                                                                                                                        | Temperature & Humidity Chamber |                  |                   |
| Model                                                                                                                                                           | BEV107                         | BEV108           | BEV109            |
| Old Model                                                                                                                                                       | BIGP-605                       | BIGP-606         | BIGP-607          |
| Temp range (°C)                                                                                                                                                 | 0~65 H~90                      |                  |                   |
| Accuracy (°C)                                                                                                                                                   | ±0.1                           |                  |                   |
| Volatility (%)                                                                                                                                                  | ±0.5                           |                  |                   |
| Humidity Range (%)                                                                                                                                              | 40%~95%                        |                  |                   |
| Humidity fluctuation (%)                                                                                                                                        | ±2                             |                  |                   |
| Timing range                                                                                                                                                    | 0~999 M/H                      |                  |                   |
| Voltage (V)                                                                                                                                                     | 220                            |                  |                   |
| Power (KW)                                                                                                                                                      | 0.6                            | 0.8              | 1                 |
| Inner size (mm) (H*W*D)                                                                                                                                         | 580x450x380/100L               | 800x500x380/150L | 1000x550x450/250L |
| Overall dimension (mm) (H*W*D)                                                                                                                                  | 1100x590x620                   | 1350x640x660     | 1550x690x660      |
| Packing size (mm) (H*W*D)                                                                                                                                       | 1220x670x700                   | 1470x720x740     | 1670x770x740      |
| Net weight (KG)                                                                                                                                                 | 83                             | 95               | 120               |
| Shipping weight (KG)                                                                                                                                            | 90                             | 110              | 135               |
| The maximum load of each shelf is 20 KG.                                                                                                                        |                                |                  |                   |
| Alt Name                                                                                                                                                        | Temperature & Humidity Chamber |                  |                   |

## ACCESSORIES FOR PURCHASE

| No | Name                            |
|----|---------------------------------|
| 1  | portable printer                |
| 2  | Programmable software           |
| 3  | Programmable segment controller |



1



2

## FEATURES

Balanced refrigeration makes the temperature fluctuation small, integrates automatic defrosting and multi-layer safety protection to meet the needs of long-term operation. It is equipped with internationally famous brand compressors with delay protection function and operates smoothly.

Green environmental protection concept, using fluorine-free refrigerant to make the system more energy-saving and efficient, and make the environment healthier.

Reasonable air duct circulation system to ensure uniform temperature of working room;

The inner liner is made of SUS304 mirror stainless steel, which is more corrosion resistant than 201.

The shelf spacing and the number of shelves can be adjusted, the Ø50 stainless steel test hole is standard equipped, to facilitate the probe to import the inner to read the data;

Upgraded LCD screen and programmable microcomputer intelligent PID control technology to keep the temperature and humidity accurate and constant. Equipped with RS485 computer interface and software, and with timing, over temperature alarm and other functions;

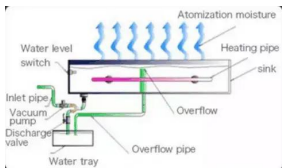
The humidification component adopts a built-in large capacity intelligent humidification system with an automatic water replenishment tank, which is convenient for use. The advantages of a built-in humidification includes faster reaction, the external type of humidification can easily cause humidity fluctuations due to the long pipe humidification reaction. The humidification amount in the built-in design is more than the external design, it is also difficult for the external humidification design to meet the high

humidity requirements.

"H" has the maximum temperature range of 90°C, and high-temperature sterilization can be performed after each experiment to reduce cross-infection, and warranty two years.

Double door design, light device inside. (for humidity chamber)

UV lamp function makes the working chamber sterile



Built-in large capacity humidification system:

The Built-in large capacity humidification system automatically fills the water to ensure stable fluctuations.



Tempered glass door

Built-in toughened glass door, clear observation of window items.



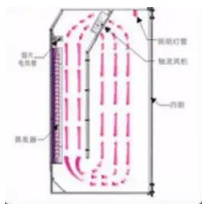
Upgraded LCD display

Programmable microcomputer technology with timing over-temperature programme.



Lightning device

Hood lighting device for observation.



#### Air circulation system

The air circulation system ensures temperature and humidity stability in the working room.



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