



## GRADIENT PCR THERMAL CYCLER BFJ103

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1. Long service life Peltier heating units.
2. High heating and cooling rate, max. Ramping rate 9.5°C/s, can save your precious time.
3. Gradient types are regular gradient, linear gradient.
4. Air channel is in front and back and it allows machine placed side by side.
5. Hot lid temperature is adjustable to meet different experiments need.
6. WIFI module built-in, one unit can control multiple PCR machine through computer or cell phone with internet connection.
7. Quick Experiment
8. Multiple Gradient Functions  
Normal  
Linear

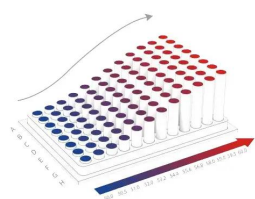
## SPECIFICATIONS

|                           |                                                                                                                          |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Model                     | BFJ103                                                                                                                   |
| Capacity                  | 384 well                                                                                                                 |
| Formats                   | 384 PCR microplate                                                                                                       |
| Reaction Volume           | 5-30µl                                                                                                                   |
| Temperature Range         | 0-105°C                                                                                                                  |
| MAX Ramp Rate             | 5°C/s                                                                                                                    |
| Uniformity                | ≤±0.2°C                                                                                                                  |
| Accuracy                  | ≤±0.1°C                                                                                                                  |
| Display Resolution        | 0.1°C                                                                                                                    |
| Temperature Control       | Block/Tube                                                                                                               |
| Ramping Rate Adjustable   | 0.01-5°C/s                                                                                                               |
| Hold at 4°C               | Forever                                                                                                                  |
| Gradient Temp. Range      | 30-105°C                                                                                                                 |
| Gradient Type             | Normal/Linear                                                                                                            |
| Gradient Spread           | 0.1-42°C                                                                                                                 |
| Hot Lid Temperature       | 30-115°C                                                                                                                 |
| Number of Programs        | 200,000+ (USB FLASH)                                                                                                     |
| Max. No. of Step          | 30 (Multiple nested PCR experiments)                                                                                     |
| Max. No. of Cycle         | 200 (Up to 100,000 in nested cycles)                                                                                     |
| Time Increment/Decrement  | 1s-600s, Long PCR is available                                                                                           |
| Temp. Increment/Decrement | 0.1-10.0°C, Touchdown PCR is available                                                                                   |
| Pause Function            | Yes                                                                                                                      |
| Auto Data Protection      | Yes                                                                                                                      |
| Temperature Curve         | Record hot lid and module temperatures in real time, with a 60-minute recording time on a single page and a sliding view |
| GLP Report                | Record the running information of each step of the program, and can export CSV, PDF format report                        |
| File Encryption Function  | Individual program files can be encrypted                                                                                |
| User Management Privilege | Three levels of access (administrator, user, guest)                                                                      |
| Email Notification        | Email notification after experiment is over                                                                              |
| Lock Screen Function      | Prevents accidental termination of the program being experimented on                                                     |
| PC-LINK Function          | Simultaneous on-line monitoring of more than 250 instruments                                                             |
| Mobile Phone APP          | Simultaneous on-line monitoring of more than 250 instruments                                                             |

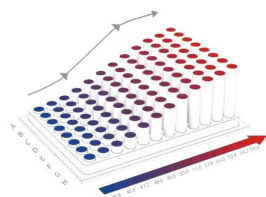
|               |                             |
|---------------|-----------------------------|
| Communication | USB 2.0, WIFI               |
| Dimensions    | 385mmx270mmx255mm(LxWxH)    |
| Weight        | 10kg                        |
| Power Supply  | 100-240VAC,50/60Hz,750W     |
| Alt Name      | Gradient PCR Thermal Cycler |

## FEATURES

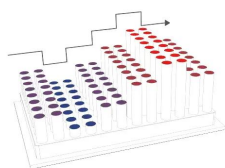
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Normal



Linear



Dynamic



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