



## MICRO CENTRIFUGE BFL1L1 (BCMI-404)

# MICRO CENTRIFUGE BFL1L1

## HIGH SPEED MICRO CENTRIFUGE



Double cooling air design ensures fast cooling of the rotor and low energy consumption  
3-layer sealed rotors ensure safe centrifugation  
Brushless motor drive, maintenance free  
Safety features include door interlock; excessive speed and temperature detection; automatic self-diagnostics  
Outstanding aluminum alloy rotors fully autoclavable at 121°C temperature and high pressure disinfection  
Five rotors are optional complete with 24 places: 1.5/2.0 mL tubes, 5.0 mL, 0.2 mL and 0.5 mL tubes with adapters  
Effective Ventilation System  
Double cooling air design, enforcing air cooling from both the upper and lower s

## SPECIFICATIONS

|                                 |   |
|---------------------------------|---|
| Model                           | BFL1L1  |
| Old Model                       | BCMI-404  |
| Max. Speed                      | 15000rpm (200-15000rpm), increment: 10rpm                                 |
| Max. RCF                        | 21380xg, increment: 10xg  |
| Speed Accuracy                  | ±20 rpm   |
| Rotor Capacity                  | 1.5/2mL x 24, 0.2/0.5mL x 36, PCR-8 strips x 4, 5mL x 12, 1.5mL x 18      |
| Run Time                        | 30sec-99min/Continuous  |
| Acceleration/Braking time [Sec] | 25s↑ 25s↓   |
| Motor                           | Brushless DC motor  |
| Safety Devices                  | Dual door interlock, Over-speed detection, Automatic internal diagnosis   |
| Power Requirements              | Single-phase, AC200V-400V, 50Hz/60Hz, 5A, AC100V-120V, 50Hz/60Hz, 8A 200W |
| Noise Level                     | ≤64dB   |
| Dimension [WxDxH]               | 280 x 364 x 266mm   |
| Weight                          | 12kg  |
| Other functions                 | Speed/RCF switch; Short-time run function; sound-alert function           |
| Alt Name                        | High Speed Micro Centrifuge   |

## ACCESSORIES FOR PURCHASE

| No | Name                  | Description   |
|----|-----------------------|---|
| 1  | Rotors                | Max. speed: 15000 rpm<br>Max. RCF: 21380 x g<br>Rotor capacity: 2 mL / 1.5 mL x 24, 0.2 mL x 24, 0.5 mL x 24<br>Rotor material: Aluminum alloy<br>Biosealing: Yes |
| 2  | Rotors (round bottom) | Max. speed: 15000 rpm<br>Max. RCF: 21380 x g<br>Rotor capacity: 5 mL x 18 (round bottom)<br>Rotor material: Aluminum alloy<br>Biosealing: Yes                     |
| 3  | Rotors (cone bottom)  | Max. speed: 15000 rpm<br>Max. RCF: 21380 x g<br>Rotor capacity: 5 mL x 12 (cone bottom)<br>Rotor material: Aluminum alloy<br>Biosealing: Yes                      |

|   |        |   |
|---|--------|---|
| 4 | Rotors | Max. speed: 15000 rpm<br>Max. RCF: 21380 x g<br>Rotor capacity: 0.5 mL x 36, 0.2 mL x 36<br>Rotor material: Aluminum alloy<br>Biosealing: Yes<br>Available rotor adapters: A02P05 |
| 5 | Rotors | Max. speed: 15000 rpm   |



1



2



3



4



5

## FEATURES

Double cooling air design ensures fast cooling of the rotor and low energy consumption

3-layer sealed rotors ensure safe centrifugation

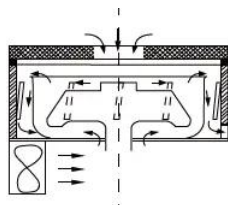
Brushless motor drive, maintenance free

Safety features include door interlock; excessive speed and temperature detection; automatic self-diagnostics

Outstanding aluminum alloy rotors fully autoclavable at 121°C temperature and high pressure disinfection

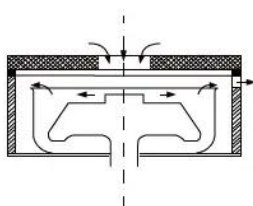
Five rotors are optional complete with 24 places: 1.5/2.0 mL tubes, 5.0 mL, 0.2 mL and 0.5 mL tubes with adapters

### Effective Ventilation System



Double cooling air design, enforcing air cooling from both the upper and lower side for the rotor.

### Conventional design



Limited ventilation on the upper side of the rotor.



### Fully autoclavable:

High strength aluminum alloy rotors are fully autoclavable, withstanding steam sterilizing at 121°C for 20 minutes.

### Three-layer seal:

This model rotors are designed to prevent sample leakage. Each and every rotor is hermetically sealed by three rubber seals.

### Mechanical safety:

centrifuges conform to MCA standard IEC/EN61010-2-20, causing disruption by partially cutting and overloading rotor assembly, and guarantees that no part shall be detached to cause danger to person or the environment.

### Seals within the aluminum alloy rotor

Three rubber seals fitted to  
achieve bio-safe condition



## APPLICATIONS

Suitable for numerous biological, chemistry, clinical and research applications including molecular biology, clinical chemistry labs, wide variety of microbiology applications, such as DNA, RNA or protein isolation and many more.



**Biolab Scientific Ltd.**

Trillium Executive Center, East Tower, 675 Cochrane Dr, Markham, Ontario L3R 0B8, Canada

Email: [info@biolabscientific.com](mailto:info@biolabscientific.com) | Website: [www.biolabscientific.com](http://www.biolabscientific.com)