



## MICROWAVE DIGESTER BMWD-109

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## MICROWAVE DIGESTION SYSTEM



- **Special Designed Sample Digestion Vessel**  
The auto vent and self-resealing design ensures digestion vessels can automatically release pressure and instantly reseal when a sudden over-pressure situation occurs. It reduces waste of batch samples and also avoids vessel damage.
- **Contactless Temperature and Pressure Monitoring System**  
The imported contactless IR sensor can measure the real-time temperature of sample solution (NOT Vessel Wall) in each digestion vessel. Meanwhile, the contactless pressure sensor can monitor the real-time pressure of each vessel. It avoids sample cross-contamination, and the real-time temperature and pressure value in each vessel are displayed during the whole digestion

## SPECIFICATIONS

Model	BMWD-109
Vessel Quantity	18
Temperature Monitoring	Contactless IR Sensor Temperature Monitoring; Each Vessel Temperature Controlled; Temperature Controlling Range: 50-400°C; Max. Working Temperature: 250°C; Temperature Accuracy: ±0.1°C
Pressure Monitoring	Contactless Sensor Pressure Monitoring; Each Vessel Pressure Controlled; Pressure Controlling Range: 0-15 MPa; Max. Working Pressure: 6 MPa; Pressure Accuracy: ±0.01 MPa
Vessel Volume	100 mL
Sample Vessel Material	Imported TFM
Protection Vessel Material	PEEK + Glass Fiber
Display	7 inches Color Touch Screen
Rotation	One Direction 360° continuous rotating
Microwave Cavity	316L stainless steel cavity with corrosion-proof coating
Microwave Power	0-3000 W (Adjustable)
Microwave Leakage	<5 mW/cm <sup>2</sup>
Air Exhaust	High power corrosion-proof air blower
Power	AC 220V±10%, 10A, 50/60Hz
Alt Name	Microwave Digestion System

## FEATURES

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The imported contactless IR sensor can measure the real-time temperature of sample solution (NOT Vessel Wall) in each digestion vessel. Meanwhile, the contactless pressure sensor can monitor the real-time pressure of each vessel. It avoids sample cross-contamination, and the real-time temperature and pressure value in each vessel are displayed during the whole digestion process and enables a clear check of digestion conditions.
- **Large Storage Capacity**  
Up to 255 kinds of method programs can be edited and saved, each method program can set with max. 10 steps and parameters (temperature, pressure, time, microwave power).
- **Safety Protection System**  
The double locked security door, the separate protection vessel frame, the real-time temperature and pressure monitoring system, the auto adjustment of over-pressure and over-temperature system and the abnormal sound monitoring ensure that a highly safe operation environment.



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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)