



VERTICAL LAMINAR AIRFLOW

BER-3601 BER-3602 BER-3603 BER-3604

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1. Safety Warning Before Use



Must disable item

- Do not store volatile, flammable and explosive items in the equipment, otherwise it may cause an explosion or fire.
- Do not place the equipment in rain, wet or splash water, otherwise it may lead to leakage, short circuit or electric shock and other accidents.
- Non-professional technicians shall not disassemble, repair or modify the equipment, otherwise it may cause fire or electric shock due to improper operation.



Must obey item

- The equipment should be installed on solid ground. If the ground is not solid enough or the installation site is not suitable, the equipment may tip over and cause injuries.
- Please use the special power supply indicated on the nameplate of the equipment. The power outlet must be connected to the ground. The equipment must be reliably grounded to prevent accidental leakage of electricity resulting in electric shock or fire.
- Before any repair or maintenance of the equipment, be sure to disconnect the power supply to prevent electric shock or injury.
- Wear gloves when repairing or maintaining equipment to prevent injury caused by edges or sharp corners.
- If there is any abnormality in the operation of the equipment, pull out the power plug immediately and stop the operation of the equipment. Operating under abnormal conditions may cause electric shock or fire.

2. Main Technical Parameters

Model	BER-3601	BER-3602
	BER-3603	BER-3604
Application Scope	Protect experiment samples	Protect operator and environment
Airflow Direction	Vertical	

Function	Cleanliness	Class 100	
	High efficiency filter	≥99.999% of 0.3um particle	
	Colony Count	≤0.5/vessel (petri dish is φ90mm)	
	Wind Speed	initial:0.6(m/s) ; final:0.2 (m/s)	>0.5 (m/s)
	Wind Speed Range	0.2-0.6 (m/s)	
	Noise Level	≤62db	
	Vibration Semi-Peak Value	≤3um	
	Work surface bearing	10kg	
Composition	Inner Chamber	SUS304 Stainless steel plate	
	Outer Shell	Cold rolling steel electrostatic spraying exterior	
	Operation door	Tempered glass	
	Operation door biggest opening	310mm	
	Pre-Filter	Polyurethane	
	LED Lamp	8W*1	
	UV Lamp	8W*1	
	Top Fan	90W one piece	
Controller	Display	LED	
	Wind Speed Control	Intelligent multi-level adjustable	
	Additional Function	One key to open and close lighting sterilization	

Table 1

3. Main Features of the product

1. The box body adopts the overall steel structure, and the surface is sprayed. At the top of the box, there are bellows and a quiet pressure box, and in the quiet pressure box there are HEPA filters.
2. The working table adopts the fan system with adjustable wind speed. The tact switch adjusts the voltage to keep the average wind speed in the working space stable within the ideal range, thereby extending the service life of the air filter, maintaining high efficiency and reducing the operating cost of the workbench.
3. The worktable is made of high quality stainless steel, beautiful and durable.
4. The workbench uses ultraviolet radiation, which can emit a strong 2537 short-wave ultraviolet, which not only kills the active cells of microorganisms, but also kills the buds and other fungal spores with heat resistance function. In addition, bacterial phages and viruses can be rapidly broken under UV light.operation expenses of the worktable.
5. The mesa of the worktable is made of high-quality stainless steel, which is attractive and durable.
6. The worktable adopts ultraviolet radiation which can radiate the strong 2537 short-wave ultraviolet rays, it not only kills active cells of microorganisms, but also kills buds and other fungus spores, which have the function of resisting heat. In addition, the bacteria phage and virus can break rapidly under the ultraviolet.

4. Instrument operation and usage instructions

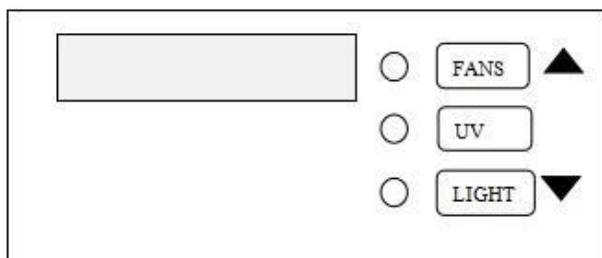


Figure 1

1. [FANS] : Wind speed adjustment key, in the main interface display state,
2. [▲] : Add key, click this key to increase the wind speed.
3. [▼] : Reduce the key, click this key to reduce the wind speed.
4. [UV] : Sterilization key, press the UV sterilization lamp to open, the front door rises the sterilization lamp to close.
5. [LIGHT] : Light button, press to turn on the light.

Press the FANS key to enter the wind speed adjustment interface, you can adjust the wind speed through the ▲▼ key; Press the UV key to open sterilization; The glass door is raised up, and the sterilization lamp is closed; Press the LIGHT key to turn the lighting on.

5. Fault Treatment

Phenomena	Cause	Treatment
No power supply	1. The plug and socket are poorly connected 2. The fuse is burnt.	1. Adjust the plug and socket, or check the circuit. 2. Change the fuse.
The air blower does not work	The control does not work or the air blower breaks down.	Change the control panel or check the air blower.
The light does not work	The light socket is broken down. The light tube is burnt.	Adjust the lamp socket or change the light tube.
Cannot reach required wind speed	The high-efficient filter wears out.	Change the filter.

Table 2



Biolab Scientific Ltd.

Trillium Executive Center, East Tower, 675 Cochrane Dr, Markham, Ontario L3R 0B8, Canada
Email: info@biolabscientific.com | Website: www.biolabscientific.com