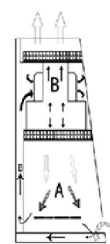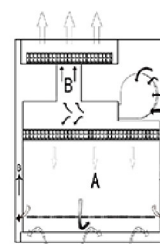# ZR-1015 Biosafety Cabinet Quality Tester

ZR-1015 Biosafety Cabinet Quality Tester is used to test the protection performance of class II biosafety cabinet by potassium iodide method. Different from the usual microbiological methods, potassium iodide test method can be counted on site to verify the protective performance of the biosafety cabinet: The usual microbiological method takes 48 hours; and potassium iodide test method takes only 30 minutes, which will not pollute the laboratory environment.

The tester has four test modes: background test, personnel protection, product protection and cross contamination protection.It is mainly used to determine whether the aerosol in the cabinet leaks to the outside of the cabinet; whether external pollutants enter the biosafety cabinet; and whether the cross contamination between products in the biosafety cabinet is minimized.

01 Standard

✓ **YY 0569-2011**   Class II biosafety cabinet

✓ **NSF/ANSI 49-2020** Biosafety Cabinets Design and Performance

✓ **IEST-RP-CC007.3**   Testing ULPA Filters

✓ **EN12469-2000**   Biotechnology - Performance criteria for microbiological safety cabinets

✓ **JJF 1815-2020**   Calibration specification for of class II biosafety cabinet

02 Features

Good human-computer interaction

✓ 7.0 -inch color screen , touch operation.

✓ Less accessories, simple installation and convenient operation.

✓ One touch start-Four operation modes can be started with one touch.

✓ Data recording function.Test results could be exported to USB drive or printed by printer.

Automatic control, more accurate monitoring

✓ Four path independent high precision sampling module, automatic flow control, don't need to adjust pressure to stabilize flow.

✓ The automatic aerosol control port adopts PID arithmetic, control by real time feedback generator rotation speed.

03 Parameter

Parameter	Range	Resolution	Accuracy
Sampling flowrate	100L/min	0.01L/min	±2.0%
Peristaltic pump flow	2ml/min/	±5.0%	
Rotation speed of aerosol generator	28000r/min	/	±50r/min
Highest position of X1,Y1	1000mm		
Disturbing cylinder	With horizontal measurement function, up to 1100mm		
Noise	＜65db(A)		
Working temperature	0~40°C		
Power supply	AC(220±22)V，（50±1）Hz		
Size	(length 321×width 240×height 175)mm		
Weight (Host)	about 5kg		
Weight(packing box included)	22.8kg		
Power consumption	＜400W		