



LABORATORY LINES

BIOSAFETY CABINET



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Biosafety Cabinet Class II A2

Model YR0090-A



Product Description

- ✓ Air curtain isolation design to prevent cross contamination inside and outside, 30% of the airflow is discharged, 70% of the airflow is internal circulation, negative pressure vertical laminar flow, no need to install pipes.
- ✓ The glass door can be moved up and down, which can be positioned arbitrarily, easy to operate, and can be completely closed for sterilization, and the positioning height limit alarm prompts.
- ✓ The power output socket in the work area is equipped with a waterproof socket and a sewage interface to provide great convenience for the operator
- ✓ There is a special filter at the exhaust to control emission pollution.
- ✓ The working environment is made of high-quality 304 stainless steel, which is smooth, seamless, and has no dead ends. It can be easily and thoroughly disinfected, and can prevent the erosion of corrosive agents and disinfectants.
- ✓ It adopts LED LCD panel control, built-in UV lamp protection device, which can only be opened when the safety door is closed.
- ✓ With DOP detection port, built-in differential pressure gauge.
- ✓ The device operating surface is vertical, compact and easy to operate

- ✓ Biosafety cabinets, also known as biological safety cabinets, are laboratory devices designed to protect the laboratory worker, the environment, and the sample being manipulated from exposure to biological agents.
- ✓ Class II A2 Biosafety Cabinets are a type of biological safety cabinet that provides protection against low to moderate risk biological agents, as well as minimal protection to the environment. They provide protection through a combination of physical containment, filtration, and ventilation.
- ✓ Class II A2 Biosafety Cabinets are characterized by their work surface, interior walls, and exhaust air that are HEPA-filtered, providing a high level of protection for both the worker and the environment. The interior of the cabinet is under negative pressure relative to the surrounding laboratory area, which helps

to prevent the release of hazardous materials. The air within the cabinet is exhausted through a HEPA filter, removing any potentially contaminated particles.

- ✓ Class II A2 Biosafety Cabinets are designed for use in laboratory applications where low to moderate risk biological agents are being manipulated, such as cell culture, tissue culture, and handling of samples from infected animals or patients. They are commonly used in medical, pharmaceutical, and research laboratories.
- ✓ In summary, Class II A2 Biosafety Cabinets provide a controlled and contained environment for the handling of low to moderate risk biological agents, while protecting the worker and the environment from exposure.



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Biosafety Cabinet Class II A2

Model YR0090-A

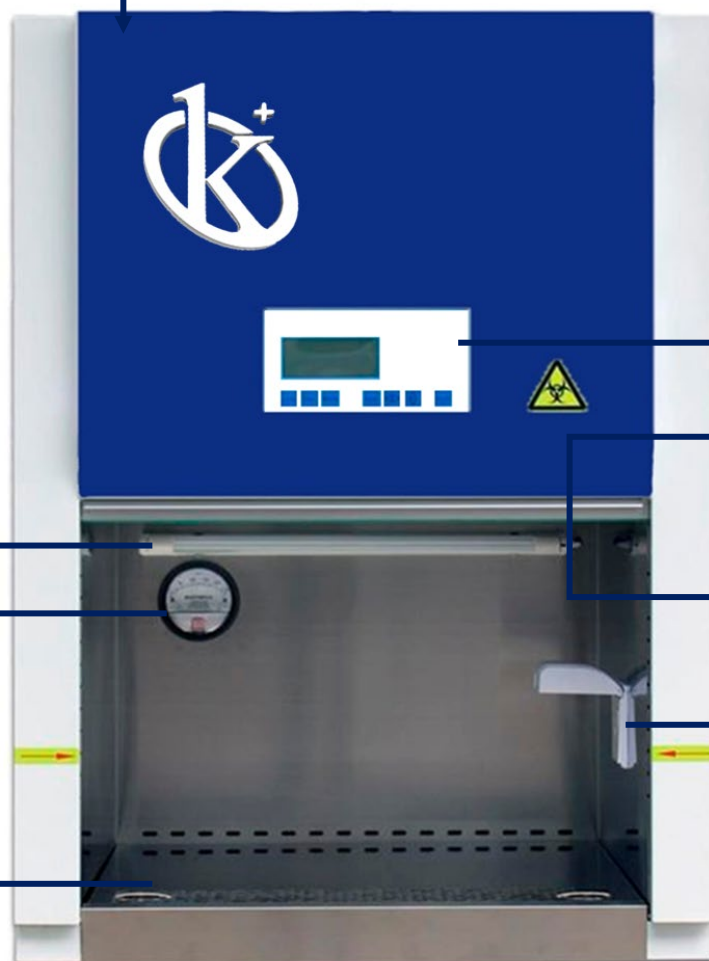


HEPA FILTER

UV Lamp &
Fluorescent Lamp

Differential gauge

Stainless Steel
working area



Digital Display
Control Panel

Glass sliding door

HEPA Filter

Socket



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Biosafety Cabinet Class II A2

Model YR0090-A



Model		YR0090-A
Cleanliness grade		Class 100@ $\geq 0.5\mu\text{m}$ (U.S. Federal 209E)
Number of colonies		$\leq 0.5\text{pcs/dish}\cdot\text{hour}$ ($\Phi 90\text{mm}$ culture plate)
Average wind speed	Inside the door	$0.38\pm 0.025\text{m/s}$
	Middle	$0.26\pm 0.025\text{m/s}$
	Inside	$0.27\pm 0.025\text{m/s}$
Front suction air speed		$0.55\text{m}\pm 0.025\text{m/s}$
Noise		$\leq 65\text{dB(A)}$
Vibration half peak		$\leq 5\mu\text{m}$
Power supply		AC 220V/50Hz
Maximum power consumption		600W
Weight		140KG
Internal Size (mm) W×D×H		600×500×520
External Size (mm) W×D×H		760×650×1230
High efficiency filter specification and quantity		$560\times 440\times 50\times \textcircled{1}$ $380\times 380\times 50\times \textcircled{1}$
Specification and quantity of fluorescent lamp/UV lamp		$8\text{W}\times \textcircled{1}/20\text{W}\times \textcircled{1}$



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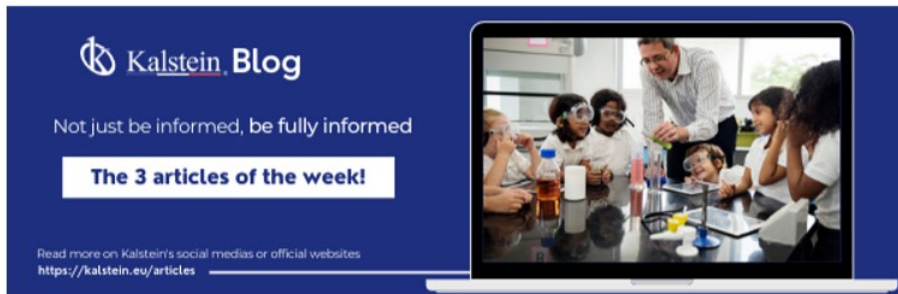
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1
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How does the climate affect your microscope?

microscope is an instrument that allows observing and measuring objects at a very small scale. This is achieved through a complex system of lenses, which form

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Article of the week:
How does the climate affect your microscope?

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2
Read this ARTICLE NOW



What is the importance of the laboratory refrigerator?

refrigerator is a basic piece of the most common laboratory equipment. It is used to maintain, in a controlled environment (refrigerated space), various fluids and substances

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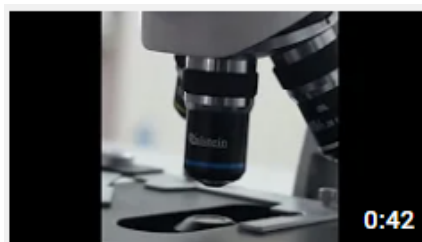
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