

## Microbiology Centrifuge Machine For Blood Testing With 12/24 Gel Card Capacity

Our Product Introduction

for more products please visit us on [mkecentrifuge.com](http://mkecentrifuge.com)

### Basic Information

- Place of Origin: CHINA
- Brand Name: MKE
- Certification: CE,ISO13485,ISO9001,SFDA
- Model Number: XK-12B/24B
- Minimum Order Quantity: 1
- Price: Negotiable
- Packaging Details: Wooden Box
- Delivery Time: 7-15 work days
- Payment Terms: L/C,D/A,D/P,T/T,Western Union,MoneyGram
- Supply Ability: 100 set/month



### Product Specification

- Product Type: Gel Card Clinical Blood Centrifuge
- Applications: Ideal For The Centrifugation Of Samples In Clinical, Chemistry, Cytology, Research And Industrial Laboratories.
- MaxSpeed: 3500rpm
- MaxRCF: 1610/2030xg
- MaxCapacity: 12/24 Gel Cards
- Noise Level: ≤50dB(A)
- Display: LED
- Warranty: 1 Year Warranty For The Whole Machine, 3 Years Warranty For The Compressor And 5 Years Warranty For The Motor. Free Replacement Parts And Shipping Within Warranty.
- Highlight: **12/24 Gel Card Centrifuge Machine, Microbiology Centrifuge Machine, Blood Testing Centrifuge Machine**



### More Images



## Product Description

### Description





The Blood Gel Card Centrifuge applies the microcolumn gel immunoreaction method, ideal for conducting red blood cell agglutination or microcolumn gel hemagglutination assays (MGHA). This process induces agglutination between red blood cells and antibodies in the microcolumn gel tubes. The centrifuge then gently separates the bound and unbound cells, with agglutinates positioned in the gel and free cells settling at the tube's base.



### Specifications:

Speed range(rpm)	0-3500rpm adjustable	Max Capacity(ml)	24 cards
Motor	Frequency conversion A.C. motor	Speed accuracy	±10r/min
Display	LCD	Noise(dBA)	≤50 dB(A)
Time Range	0-99min	Dimension(mm)	430*320*250mm(12 cards) 440*400*230mm(24 cards)
RCF range (xg)	0-1610/2030xg adjustable	Net weight	13 KG (with 12 cards); 19KG (with 24 cards)
Power supply	AC220V,50HZ,5A,60W		

### Matched Rotors

No.	Item	Capacity	Rotational speed	Max.RCF	Time	Note
NO.1 	Pre-centrifuge program group	12 cards	3500r/min	1232xg	1 minute	Program group can be set for different blood type cards.
NO.2 	Test program group	12 cards	900r/min	81xg	2 minutes	
			1500r/min	226xg	3 minutes	
NO.1 	Pre-centrifuge program group	24 cards	3500r/min	1554xg	1 minute	
NO.2 	Test program group	24 cards	800r/min	81xg	2 minutes	
			1335r/min	226xg	3 minutes	

## Features

The Blood Gel Card Centrifuge utilizes the microcolumn gel immunoreaction principle, primarily for red blood cell agglutination testing or microcolumn gel hemagglutination assays (MGHA). During operation, red blood cells and their corresponding antibodies form clusters within the microcolumn gel tubes. Low-speed centrifugation ensures that the clumps remain at the surface or are suspended within the gel, while unbound red blood cells settle at the base of the tube.

### Advantages:

Micro Column Gel Technology offers simplicity, eliminating the need for washing and confirmation tests for negative results, overcoming the complexity and time constraints of traditional Coombs tests. It establishes the incomplete antibody detection theory as the clinical "gold standard". The system can process multiple specimens simultaneously (12/24 cards), enabling efficient testing of numerous clinical samples. Additionally, it ensures accuracy, sensitivity, minimal specimen usage, long-term result storage, easy standardization, and safe operation.

### Paternity Testing Method:

The Paternity Testing Method utilizes ABO blood type positive and negative type as well as RhD blood type test cards to detect human ABO and RhD antigens. It employs the column agglutination method (microcolumn gel method), a standardized immunological approach where red blood cell antigens and corresponding antibodies agglutinate within a microcolumn gel medium. This method ensures result accuracy due to its standardization and quantification.

### Process Steps:

**Blood Sample Collection:** Collect blood samples (Note: samples with abnormally high serum protein should be adequately washed before use).

**Blood Sample Processing:** Centrifuge the anticoagulated whole blood at 900~1000g for 5 minutes. The lower layer contains concentrated packed red blood cells (about 80% concentration). Carefully separate the upper plasma into another test tube for direct use in experiments.



## WHY CHOOSE US

- **Direct from the Manufacturer:** Enjoy competitive pricing on all our products.
- **Certified Excellence:** Experience premium quality with our CE and ISO certified products.
- **Customization at Its Best:** Benefit from our robust OEM and ODM capabilities tailored to your specific needs.
- **Reliable Production and Delivery:** Trust us for guaranteed on-time production and delivery of your orders.
- **Comprehensive Support:** Rely on our comprehensive after-sales service, including complimentary product accessories.
- **Expertise You Can Trust:** We stand behind our 15 years of experience in R&D and production of medical centrifuge machines.





## Our Factory Introduction

We have a standardized production workshop operated by a dedicated team that ensures quality in every laboratory centrifuge and lab equipment we produce. Our R&D division includes design engineers, technology specialists, qualified experts, and process control managers. Following a strict quality control system, our specialists oversee the entire production process, from design and R&D to testing, production, quality inspection, and packaging.

- Specialize in centrifuges.
- With decades of experience, we've exported to 80+ countries.
- Proven Reputation: SGS and Intertek inspected, underlining our reliability.
- Manufacturing Capabilities: 6 floors, 3000 sqm each, dedicated to manufacturing and quality control.

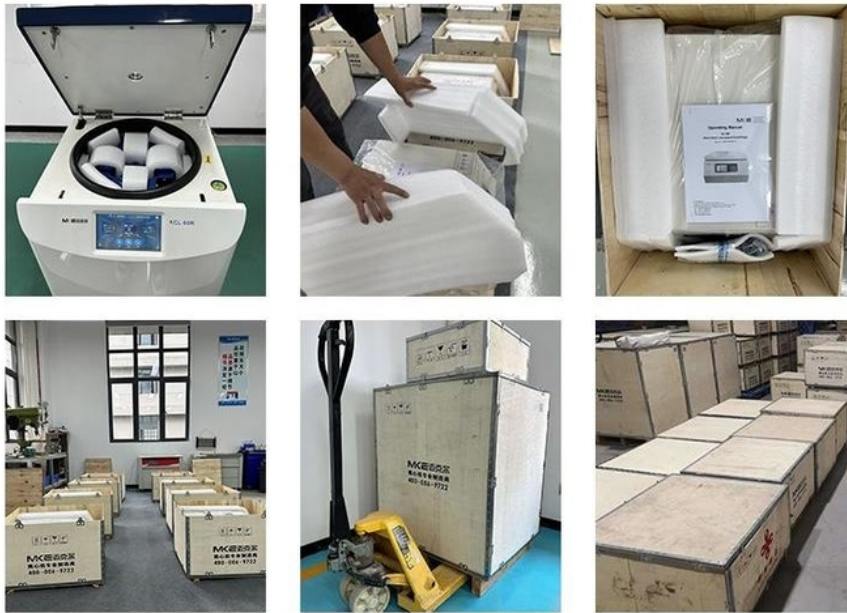


## MKE Exhibition

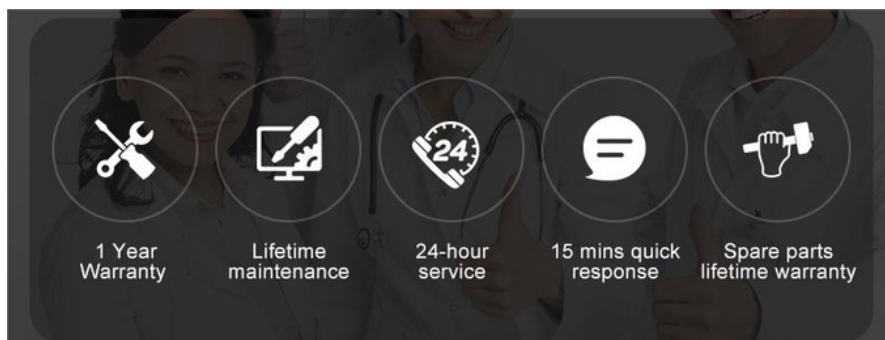


## Packaging & Delivery

MKE centrifuges are securely packaged in wooden cases or carton boxes, selected according to the weight and size of the goods. This ensures they are delivered in excellent condition to customers worldwide.



### **After-Sale WARRANTY**



### **FAQ**

**Q: How long is the production lead time?**

A: Within 7-15 workdays after receiving deposit.

**Q: What's your warranty?**

A: All MKE products have ONE year warranty, five-year motor warranty. We won't charge clients any money for repairing the machine during one-year warranty time, the freight is also on us.

**Q: How about the sample of MKE Centrifuge?**

A: We could send you the samples but the freight and the sample are charged.

**Q: Which kinds of Certificate would you have?**

A: ISO9001, ISO13485, CE

**Q: Do you offer centrifuges with voltage and plug options suitable for my country/region?**

A: Yes, we provide centrifuges with various voltage and plug options to meet different country/region requirements. Please let us know your specific needs, and we will ensure compatibility.

**Q: Are there customized options available for specific applications?**

A: Absolutely! We offer customization options to meet specific application needs. Let us know your requirements, and we will tailor the centrifuge accordingly.



+86-17775883371



Shirley@mke-lab.com



mkecentrifuge.com

MKE Building, Sanhe Zhihui Industrial Park, Guyuan Road No. 426, Changsha High-tech Development Zone,  
Hunan, China