

KA-2200

Product name	Model KA-2200 SEROMATIC II
Max. capacity	6mL×12
Max. speed	4,700rpm
Max. RCF	2,000×g
Size	23(W)×27(D)×22(H) cm Height with opened lid: 48 cm
Weight	8kg
Total heat produced	28 W (HLA), 21W (SERO) 101 kJ/h
Rated voltage and Rated current	110V/115V 50/60Hz 0.3 A 200V/230V 50/60Hz 0.2 A
Power Requirements	Single phase 110-115 ± 10 % V 50/60Hz, 3A Single phase 220-230 ± 10 % V 50/60Hz, 2A
Operation environment	For indoor use only Altitude: 2000m or less Temperature: 10°C to 35°C Relative humidity: Maximum relative humidity 80% at 10°C to 31°C, decreasing linearly to 50% relative humidity at 40°C at above 31°C.
Speed control	Three stages switching by the push button

Immunoematology Centrifuge

KA-2200



Kubota has acquired ISO 9001 and ISO 13485 certification.

Precautions for use Products in this catalogue are designed for use only by people who have the requisite technical knowledge, and must always be used with considerable care and only for their intended purpose. People who do not have adequate technical knowledge or training should only use the products under appropriate supervision by someone with expert knowledge, or else accidents are likely to occur.



Please immediately stop using the products in any of the cases listed on the right.

- The rotor or buckets appear to be damaged or corroded.
- When the replacement period (years of operation, operating lifetime) of a rotor has passed.
- The equipment emits a burning smell or becomes abnormally hot.
- You receive a weak electric shock when you touch the equipment with your bare hands.
- When any other abnormality or indication of failure is noticed.

IMPORTANT

If any of the cases listed at the left occurs, immediately turn off the power, disconnect the power cable plug or connecting terminals from the main power outlet, place a "Do not use" sign on the unit, and contact the nearest branch of Kubota Corporation.



Safety Precautions

To use the equipment safely, be sure to read the instruction manual carefully before you start operations.

Do not misplace the instruction manual. Keep the instruction manual nearby so that you can refer to it whenever necessary.

- The term of supplying spare parts for repair is 7 years after discontinuation of production (except spare parts which we are unable to procure).
- This catalogue is not for distribution in the USA, Canada and Mexico as products shown are not for sale in these countries.

KUBOTA CORPORATION

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➤ Choose the function of separating or washing just by choosing selector switch. Effective in controlling accuracy and labor-saving.

- This model can be used to wash both lymphocytes (for HLA test) and erythrocytes (for coombs test).
- Available in 2 types of rotors for washing lymphocytes or erythrocytes.
- Possible to centrifuge around 3 seconds for thrombin preparation (to remove platelet).
- RCF (speed, rpm) and time are controlled by the originally installed memories.
- Rapid acceleration/deceleration shorten entire operation time.



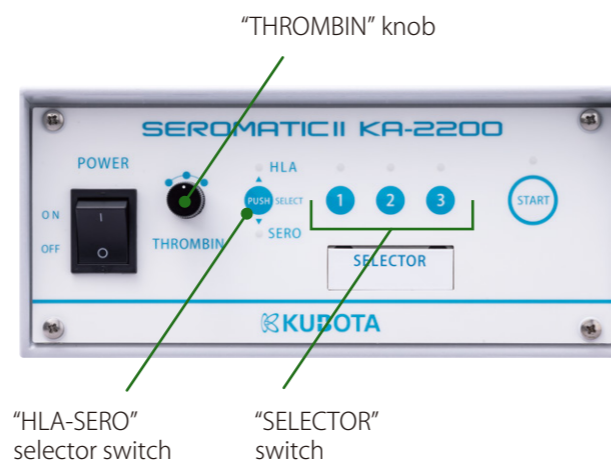
Immunohematology Centrifuge
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● Seromatic rotor for washing erythrocytes
● RS-110 rotor for washing lymphocytes

Usage

- Separating and washing lymphocytes
- Separating and purifying of cell culture
- Washing blood corpuscles (coombs test), blood test etc.



"HLA-SERO" selector switch

"SELECTOR" switch

Rotor for washing lymphocytes (RS-110L*1)

Push button	Speed rpm	RCF × g	Time (changeable range)	Usage
1	4,700	2,000	180 sec (30~300 sec)	Separating lymphocytes and cell culture
2	3,300	1,000	3 sec*2	Removing platelet (thrombin preparation)
3	3,300	1,000	60 sec (30~120 sec)	Washing lymphocytes

Rotor is optional.



Rotor for washing erythrocytes (Seromatic*3)

Push button	Speed rpm	RCF × g	Time (changeable range)	Usage
1	2,200	500	60 sec (30~120 sec)	Blood test, observing cohesive action of blood corpuscles
2	3,100	1,000	15 sec (5~25 sec)	Cross-match test, antiglobulin test
3	3,100	1,000	60 sec (30~120 sec)	Washing blood corpuscles, extraction of lymph and blood plasma from dissociate solution

Rotor is optional.

Rotor has prescribed years of operation, after that the rotor must be replaced. For more details, please contact us.

- *1 12x0.25-1mL tubes can be used.
- *2 Time is changeable for 2-6 sec by time setting knob on front panel.
- *3 12x glass tubes (length 65-80mm, diam. 10-13mm) can be used.



KUBOTA's Dedication to Safety

- KUBOTA manufactures prototypes at the development phase and implements durability tests based on actual use conditions. Only products that pass the strict durability tests can proceed to the next stage.
- After durability tests, we produce additional prototypes and perform field tests in workplaces with actual users. Feedback from these users is then incorporated in the products.
- Experienced engineers perform release inspections. Every unit is inspected carefully by activating the centrifuge and carefully monitoring its sounds and vibrations.

