

Immunohematology Centrifuge



KA-2200
SEROMATIC II

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.



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.

Rotor for washing lymphocytes

Rotor name	Push button	Speed rpm	RCF xg	Time (changeable range)	Usage
RS-110L *1	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.

Washing lymphocytes/ RS-110L rotor

Turn the "HLA-SERO selector switch" to the HLA side.



Rotor for washing erythrocytes

Rotor name	Push button	Speed rpm	RCF xg	Time (changeable range)	Usage
Seromatic *3	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.

Washing erythrocytes/ Seromatic rotor

Turn the "HLA-SERO selector switch" to the SERO side.

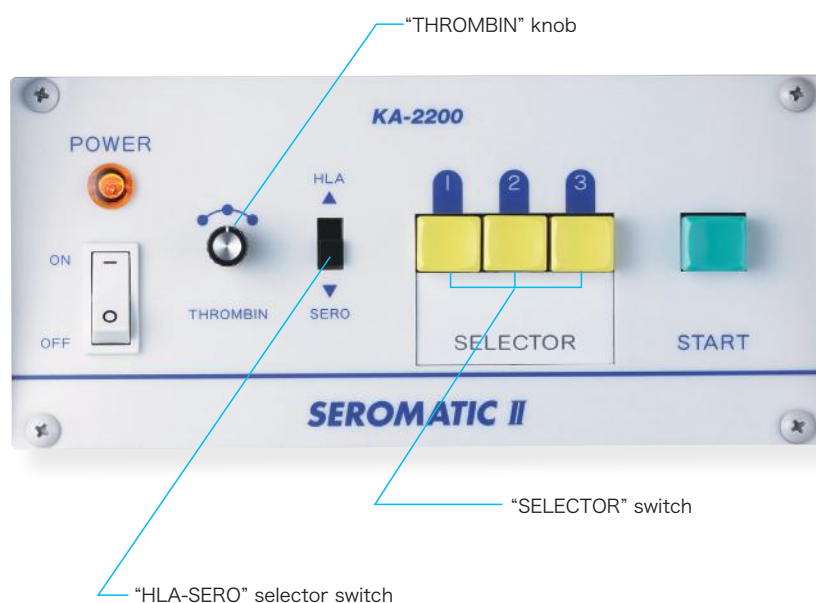


**⚠ Rotor has prescribed years of operation, after that the rotor must be replaced.
For more details, please contact us.**

*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.



Specifications

Model KA-2200 SEROMATIC II	
Maximum Speed	● 4,700rpm/RS-110 rotor, 3,100rpm/seromatic rotor
Maximum RCF	● 2,000 xg/RS-110 rotor, 1,000 xg/seromatic rotor
Maximum Capacity	● 12mL/RS110 rotor, 72mL/seromatic rotor
Speed setting	● Three stages by switching the push button
Timer setting	● Three stages by switching the push button (timer is changeable)
Power requirements	● Single phase 110/115V±10%, 50/60Hz, 5A Single phase 220/230V±10%, 50/60Hz, 3A
Rated voltage and rated current	● 110/115V, 50/60Hz, 0.8A 220/230V, 50/60Hz, 0.4A
Power consumption and heat output	● 73W/HLA, 52W/SERO, 260kJ/h
Size, weight	● 23(W) x 27(D) x 25(H) cm, 10kg height when the lid is opening 51 cm ^{*1}

(※1) Not including projections.
All specifications and external appearance subject to change without notice.
* Use only rotors, adaptors and tube racks made are KUBOTA. Do not attempt to use rotors, adaptors or tube racks made by other manufacturers.
* Follow all instructions in the relevant Instruction & Service Manual when operating centrifuges.

Kubota has acquired ISO 9001 and ISO 13485 certification.



Prohibited

Precautions for use

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.