

Product Name : Multipurpose Floor Centrifuge H-80α

【Caution】

- Use the rotor and bucket at the allowable rotation speed or less.It is very dangerous because the rotor may break and cause damage or personal injury.
- Do not open the lid of the main unit while driving.It is very dangerous because it may get caught in your body or objects and cause serious injury.
- Do not let the main body get wet with liquid.It is very dangerous as it may cause fire or electric shock.
- Do not connect the power supply with wet hands.It may cause electric shock and is very dangerous.
- Do not use flammable substances or dangerous chemicals.It is extremely dangerous because it may ignite and cause damage to the equipment or fire.
 - If something goes wrong during operation, stop using it immediately and turn off the power. In case of any abnormality, please contact the distributor or the manufacturer / distributor.

【Prohibitions】

- Do not install on a sloping or uneven floor surface or a soft floor surface. Excessive vibration may damage the equipment or lead to an accident.
- Do not move the main unit while driving.Excessive vibration may damage the equipment or lead to an accident.
 - Do not put more than the specified volume of sample. The rotor may break, resulting in equipment damage or an accident.
 - Do not use gas sterilization, autoclave, or dry heat sterilization. The rotor may break, resulting in equipment damage or an accident.

【Shape, structure, principle, etc.】

< Body shape >



< Construction >

This device consists of a main body and a rotor.

< principle >

Samples with different specific densities and samples are separated by centrifugal force generated by rotation.

< Electrical rating >

Power supply : AC100V 1φ 10A 1.0KVA
 frequency : 50/60Hz

< Dimensions and weight >

Dimensions : W515×D660×H855mm
 Weight : about 79kg

【Purpose of use, efficacy or effect】

Centrifugal force is used to separate blood, urine, and other components of the suspension.

【Specifications】

< Performance >

Max RPM. : 15000rpm
 Max RCF. : 16110×g
 Max capacity : 3200ml
 Memories : 6 Memories
 Step : 6 Step
 Acceleration : 3 stage
 Deceleration : 3 Stage + natural deceleration

【Operation method or usage method, etc.】

For details, refer to "5. Operation" in the instruction manual

【Precautions for use】

- Be sure to read and understand the precautions described in the attached instruction manual before using the product correctly.
- If you notice any malfunction or damage to the equipment, stop using it immediately and contact the distributor or the manufacturer / distributor.
- When installing, be sure to follow the contents of the instruction manual and install correctly.
- The power supply to be supplied observes the specified conditions, and the voltage fluctuation of the power plug is small. Correctly connect to an outlet with an earth terminal.
- Before operation, make sure that there is no dust or foreign matter in the centrifuge tank, and that there are no mistakes in the way the rotor is hung and the operation settings.If the main body gets wet with liquid, immediately turn off the power and stop using it.
- When replacing the fuse, use the one with the specified voltage and current indicated on the fuse, and be sure to unplug the power plug from the outlet.
- When cleaning this device, refrain from using volatile solvents and acidic / alkaline detergents, and be sure to unplug the power plug from the outlet.
- When unlocking the door in an emergency, make sure that the rotor is completely stopped, and be sure to unplug the power plug from the outlet.
- Be careful not to get your hands caught when closing the lid.
- Do not disassemble or modify this device unnecessarily
- Make sure to set the bucket on the rotor and hang all of the specified number.
- Always keep the contact area between the bucket and the rotor clean, and use it with sufficient grease applied.
- Check the rotor and bucket for scratches and deformation, and stop using them immediately if any abnormality is found.
- All the tubes used are of the same type from the same manufacturer, and are deformed or Do not use cracked items.
- -All the samples to be put in the tube should be prepared with the same type of substance and adjusted to the same amount as much as possible before use.
- -When putting the sample in the tube, cover the tube, or if the tube is not covered, use it so that the sample does not spill during operation.
- -Set the tube insertion position so that it is line-symmetrical from the center of the bucket in the front-back and left-right directions and point-symmetrical to the center of rotation of the rotor.
 - • If the number of tubes is incomplete, prepare and utilize a dummy tube containing a sample with the same specific density and amount as much as possible.
 - • If the specific gravity of the sample exceeds 1.2 g / cm³, use it at an appropriate rotation speed.

Refer to the operating manual

【Storage method and usage period, etc.】

< Environmental condition >

temperature : 15~35℃
Humidity : 15~75%(No condensation)
pressure : 860~1060hPa

• For long-term storage, turn off the power switch and connect the power plug.

Remove from the computer.

- Store in a cool, dry place out of direct sunlight.
- Do not store in a place where dust or corrosive gas is generated.
- Do not store objects on the machine.
- Store in a horizontal and stable place that can withstand the weight of the main body (79 kg).

When you start using it again, remove dust etc. before using it.

【Matters related to maintenance and inspection】

< Maintenance and inspection >

• The user of this device should perform regular maintenance and inspection to ensure safety and maintain the performance of the device.

- Before use, be sure to perform a start-up inspection, installation status, power supply connection status, low

Use after confirming normal operation such as looseness of the starter nut and indicator lamp.

To do.

- Once a year, check the power cord for damage, loose screws, and other major scratches or deformation.
- When inspecting, record the result and save it.

For details, refer to the instruction manual "8. Maintenance and inspection".

< Failure repair >

If any abnormality or malfunction occurs in the equipment, stop using it immediately and contact the distributor or the manufacturer / distributor with the following details.

- ① Name: Business name, person in charge
- ② Address... Location, department in charge
- ③ Telephone number... Contact information of the person in charge
- ④ Product model: H-80α
- ⑤ Serial number... Notated on the main body name plate
- ⑥ Manufacturing date... Notated on the main body nameplate
- ⑦ Details of failure... Specific symptoms
- ⑧ Inspection table... Daily inspection record table

< Disposal >

When this device is used as a medical device, it is classified as specially controlled industrial waste according to the Waste Disposal and Public Cleansing Law. When disposing of it, take appropriate measures in accordance with the law.

< Warranty >

The warranty period of this product is one year from the date of purchase.

< Manufacturer contact information >

Kokusan Co., Ltd. Tokyo

Sales Department

〒338-0832 7-8-16 Nishibori, Sakura-ku, Saitama City, Saitama Prefecture
TEL048-853-5531 FAX048-853-7877

Osaka Sales Office Tainaka Building, 4-13-6 Nishinakajima, Yodogawa-ku, Osaka-shi, Osaka TEL06-6308-7326
〒532-0011 FAX06-6308-7327

Kyushu Sales Office 3-14-11 Kyomachi, Kokurakita-ku, Kitakyushu-shi, Fukuoka
〒802-0002 Isuzu Building Main Building Room 502
TEL093-533-1435 FAX093-533-1436

【Packaging】

Each unit is packed in vinyl.

【Main documents and document request destinations】

Kokusan Co., Ltd. Tokyo Sales Department

〒338-0832 7-8-16 Nishibori, Sakura-ku, Saitama City, Saitama Prefecture
TEL048-853-5531

【Manufacturer or manufacturer's name or name and address, etc.】

< Manufacturer and distributor >

Kokusan Urawa Factory

〒338-0832 7-8-16 Nishibori, Sakura-ku, Saitama City, Saitama Prefecture
TEL048-853-7711

< Manufacturer >

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〒338-0832 7-8-16 Nishibori, Sakura-ku, Saitama City, Saitama Prefecture
TEL048-853-7711

Refer to the operating manual

Product Name : Multipurpose Floor Refrigerated Centrifuge : H-80R α

【Caution】

- Use the rotor and bucket at the allowable rotation speed or less.
- It is very dangerous because the rotor may break and cause damage or personal injury.
- Do not open the lid of the main unit while driving. It is very dangerous because it may get caught in your body or objects and cause serious injury.
- Do not let the main body get wet with liquid. It is very dangerous as it may cause fire or electric shock.
- Do not connect the power supply with wet hands. It may cause electric shock and is very dangerous.
- Do not use flammable substances or dangerous chemicals. It is extremely dangerous because it may ignite and cause damage to the equipment or fire.
- If something goes wrong during operation, stop using it immediately and turn off the power. In case of any abnormality, please contact the distributor or the manufacturer / distributor.

【Prohibitions】

- Do not install on a sloping or uneven floor surface or a soft floor surface. Excessive vibration may damage the equipment or lead to an accident.
- Do not move the main unit while driving. Excessive vibration may damage the equipment or lead to an accident.
- Do not put more than the specified volume of sample. The rotor may break, resulting in equipment damage or an accident.
- Do not use gas sterilization, autoclave, or dry heat sterilization. The rotor may break, resulting in equipment damage or an accident.

【Names of component parts】

< Body shape >



< Construction >

This device consists of a main body and a rotor.

< principle >

Samples with different specific densities and samples are separated by centrifugal force generated by rotation.

< Electrical rating >

Power supply : AC100V 1 φ 15A 1.5KVA
 frequency : 50/60Hz

< Dimensions and weight >

Size : W515 × D660 × H855mm
 weight : about 112kg

【Purpose of use, efficacy or effect】

Centrifugal force is used to separate blood, urine, and other components of the suspension.

【Specifications】

< Performance >

Max RPM. : 15000rpm
 Max RCP : 16110 × g
 Max capacity : 3200ml
 memories : 6 memory
 Step : 6 Step
 Acceleration : 3 Stage
 Deceleration : 3 Stage + natural deceleration
 Temperature : -45 ~ 45°C

【Operation method or usage method, etc.】

For details, refer to "5. Operation" in the instruction manual.

【Precautions for use】

- Be sure to read and understand the precautions described in the attached instruction manual before using the product correctly.
- If you notice any malfunction or damage to the equipment, stop using it immediately and contact the distributor or the manufacturer / distributor.
- When installing, be sure to follow the contents of the instruction manual and install correctly.
- The power supply to be supplied observes the specified conditions, and the voltage fluctuation of the power plug is small. Correctly connect to an outlet with an earth terminal
- Before operation, make sure that there is no dust, foreign matter or freezing in the centrifuge tank, and that there are no mistakes in the way the rotor is hung and the operation settings before operation.
- If the main body gets wet with liquid, immediately turn off the power and stop using it.
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- All the samples to be put in the tube should be prepared with the same type of substance and adjusted to the same amount as much as possible before use.
- When putting the sample in the tube, cover the tube, or if the tube is not covered, use it so that the sample does not spill during operation.
- The position to insert the tube is line-symmetrical from the center of the bucket in the front-back and left-right directions.
- Set so that it is point-symmetrical at the center of rotation of the rotor.
- If the number of tubes is incomplete, prepare and utilize a dummy tube containing a sample with the same specific density and amount as much as possible.
- If the specific gravity of the sample exceeds 1.2 g / cm³, use it at an appropriate rotation speed

Refer to the operating manual

【Storage method and usage period, etc.】

< Environmental condition >

temperature : 15~35°C
Humidity : 15~75% (No condensation)
pressure : 860~1060hPa

• For long-term storage, turn off the power switch and connect the power plug.

Remove from the computer.

- Store in a cool, dry place out of direct sunlight.
- Do not store in a place where dust or corrosive gas is generated.
- Do not store objects on the machine.
- Store in a horizontal and stable place that can withstand the weight of the main body (112 kg).

When you start using it again, remove dust etc. before using it.

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< Maintenance and inspection >

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【Packaging】

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