

RCB

cryogenic containers

User manual



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This manual complies with Directive 93/42/EC concerning medical devices.



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1. Identity of manufacturer

The manufacturer of the RCB medical device is Cryopal:

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2. Safety information

Before using the RCB device, read this manual and the following safety instructions carefully.

2.1. General instructions

You are only authorised to operate and use the equipment mentioned in this document if you have read through this entire manual and all safety instructions and have been trained in the risks associated with handling cryogenic fluids.

It is recommended that a back-up liquid nitrogen tank is available at all times so that samples may be transferred in the event of a malfunction.

The device described in this manual is designed exclusively for use by qualified personnel. Maintenance operations should only be carried out by qualified personnel authorised by the manufacturer. To ensure the safe and correct use of the device during service and maintenance, it is essential that all personnel observe standard safety procedures.

In the event the cryogenic equipment does not seem to function correctly under normal usage conditions, only someone who has been fully trained by the manufacturer is allowed to work on the cryogenic device and its peripheral components. Users must not take action themselves due to the health and/or safety risks. In order to avoid the loss of too much cold, the time until the maintenance technician performs servicing must be as short as possible.

The installation of remote monitoring options or devices will improve the safety of the cryogenic system. Regular inspections must also take place.

Important / User information ** When storing biological samples classified as sensitive by the user, Cryopal recommends using the *RCB* product range equipped with the temperature and liquid nitrogen level monitoring system called *Cryomemo*, with the alarm transferred to a remote video surveillance central device.

For *RCB* devices not equipped with the *Cryomemo* regulation system, Cryopal recommends the liquid nitrogen level in the device be checked continuously. The test described in section 8.3 is used to confirm that the equipment's thermal performance is still within the manufacturer's recommended parameters.

2.1. General precautions for use

Wear personal protective equipment (PPE) when handling the device:



Protective cryogenic gloves are compulsory



Fire-resistant protective overalls (long sleeves) are recommended



Protective goggles are compulsory



Foot protection is recommended

/ Oxygen meter

Protection

The general precautions for use are the same for all cryogenic tanks:



Liquid nitrogen is extremely cold (-196°C). The parts of the tanks that have been in contact with liquid nitrogen, especially while filling the tanks, may cause cold burns if they come into contact with the skin.

Cold burns and/or frostbite

- On the neck and cap, after opening or while filling.
- By liquid nitrogen splash when opening or removing fittings.
- On the lock, during or immediately after filling
- On the neck and the cap after opening
- Liquid nitrogen may spill out of the device when handling accessories and fittings.

To avoid burns, it is recommended to never touch the cold parts of the equipment (neck, cap, tube, etc.) and to always wear the personal protective equipment listed in the safety instructions.



Trapping

By the cap when closing the device.

Crushed feet

By the casters, and the cryogenic device when handling.



Regular checks of the evaporation rate provide assurances that the product has retained its original characteristics (see section 8.3)

Check there is no frost on the neck or outer casing of the device on a daily basis. If there is, stop using the cryogenic device and immediately contact your distributor responsible for maintenance.

Check the condition of the cap (deterioration of the polystyrene, uncoupling of the cover). If there is substantial wear and tear, replace the cap to help maintain the device's performance.



If liquid nitrogen drips onto the pump check valve, it may no longer be leaktight. If this occurs, check that all traces of frost have disappeared from the neck after 24 hours. Contact your maintenance team in the event of spillage on the valve.

It is recommended to use the device on a flat, even surface to ensure it remains stable.



The liquid nitrogen used in the storage containers evaporates in the air: 1 litre of liquid nitrogen releases around 700 litres of gaseous nitrogen. Nitrogen is an inert, non-toxic gas, but displaces oxygen when released into the atmosphere. Once the atmospheric oxygen content falls below 19% the human body is at risk.

All rooms and areas that house storage tanks containing liquid nitrogen should be well ventilated at all times and equipped with at least one oxygen gauge. All personnel should be informed of the risks associated with the use of nitrogen.

Refer to current guidelines and contact your distributor.



The device must be filled with cryogenic liquid nitrogen in a well-ventilated area (outside) or in a room equipped with a constant ventilation system adapted to the size of the room. The room must also be equipped with an oxygen monitoring system with a display located outside the room, and the user must be equipped with a portable oxygen monitoring system.

The necessary safety conditions and the provision of safety systems for operating a cryogenic room are the responsibility of the operator.

2.2. Precautions in the event of faults

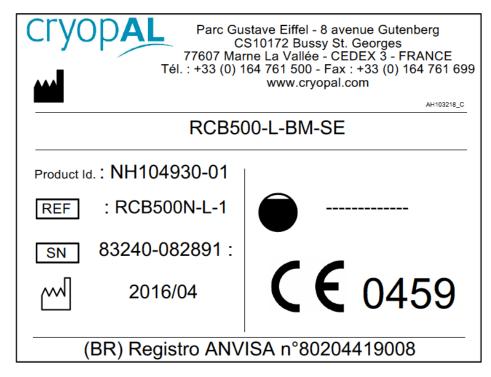
Full safety cannot be guaranteed in the following cases:

- The container is visibly damaged.
- After prolonged storage in unsuitable conditions.
- After severe damage sustained during transit.
- The container loses its thermal performance (see section 8.1)

If you suspect that the container is no longer safe (for example as a result of damage sustained during transit or during use), it should be withdrawn from service. Make sure that the withdrawn equipment cannot be accidentally used by others. The apparatus should be handed over to authorised technicians for inspection.

2.3. Description of labels





Labels found on the RCB device

2.4. Key to symbols

	Manufacturer	*	Important: Low temperature
i	Refer to the instruction manual		Gloves must be worn
	Goggles must be worn		Ventilate the room
	Do not touch frosted parts	REF	Product reference code
CE	CE marking, complies with Directive 93/42/EC	SN	Serial number
	Date of manufacture		Capacity in litres

3. RCB device

3.1. Device overview

The devices in the *RCB* product range are unpressurised cryogenic tanks used to store and preserve biological specimens that have been previously frozen in liquid or gaseous nitrogen at -196°C (liquid/gaseous nitrogen is a cryogenic fluid).



The main features of the RCB range of devices are:

- RCB tanks are particularly well-suited to preserving large quantities of biological samples over long periods.
- There are two ranges of RCB tank:
 - 4 tanks for liquid phase storage (500, 600, 1001)
 - 2 tanks for gaseous phase storage (600, 1001)





	Phase		
Cryogenic device	Gaseous	Liquid	
RCB 500			
RCB 600	•	•	
RCB 1001	•		



Cryomemo equipment is recommended for use with the device in gaseous phase.

- RCB devices are available with user accessories as described in section 11.
- The devices are equipped with a support interface for mounting the Cryomemo regulation and automatic filling system.
- Cap with assisted lifting, easy to handle (option).
- Option to close with a standard padlock (available for the version with assisted cap).
- A special step (optional) is required to ensure correct usage of the RCB 600 and 1001.
- The devices are equipped with revolving baskets at the neck to make it easier to access samples.
- Availability of a collar to quickly change the storage type (switch to gaseous or liquid phase
 if the model accepts it).
- Light alloy construction, for reduced weight and longer holding time.
- Availability of varied storage systems adapted to vials, tubes, straws, bags, etc.



The devices must only be used for storing products in liquid or gaseous nitrogen, depending on the type of device, and not for freezing. Any other gas is prohibited.



If preserving the products in a cryogenic device is identical whether it is in gaseous or liquid state, the state is chosen according to the following medical considerations:

	Cryogenic device in		
Reason for selection	Gaseous phase	Liquid phase	
Frozen products in contact with liquid nitrogen	No	Yes	

The use of gaseous nitrogen as opposed to liquid nitrogen:

- Minimises the risks of cross-contamination
- Increases user safety by preventing splashes when handling
- Reduces the weight of the racks when handling

For safety reasons, gaseous phase storage may require an automatic filling system. The container needs to be connected to a liquid nitrogen source.

3.2. Technical specifications

Description:

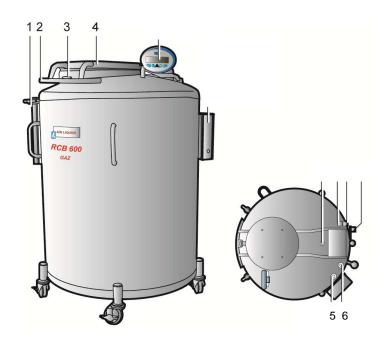


Figure 3-1: General view of a typical RCB cryogenic tank.

The items available to the user are identical for all models and are detailed below.

No.	Part	Function		
1.	Handle	Manual rotation of the turntable.		
3.	Key lock	Locking the cap (with assisted caps only).		
4.	Cap Closes off the top opening in the tank.			
	Assisted cap (option)	The basic function is identical to the standard cap, but an additional		
		integrated mechanical device at the rear bears some of the cap's		
		weight and makes it easier to open and close.		
5.	. Level gauge well Location of the capacitive sensor for measuring liquid nitroge			
		levels. (Designed for the <i>Cryomemo</i> configuration)		
6.	Filling safety sensor	Location of the sensor that prevents nitrogen overflow by shutting		
	well	off a dedicated solenoid valve. (Designed for the Cryomemo		
		configuration)		

Characteristics:

Manufacturers - Series	Cryopal-RCB				
Name	RCB 500	RCB		RCB	1001
Purpose	Unpressurised containers intended for the storage and preservation, at a very low temperature in a liquid or gaseous state, of previously frozen biological samples.				
Contraindications		sta	f the tempera ted in the not anything oth	tice	
Performance			temperature samples	<u> </u>	
Operational lifetime			10 years		
Material held	Liquid nitrogen	Liquid nitrogen	Gaseous nitrogen	Liquid nitrogen	Gaseous nitrogen
Tank material	Stainless s	teel, alumini	um alloy (bas	sket), brass	(stand ring)
Total capacity (L) ¹	500	575	115	1100	280
Diameter of neck (mm)	461	461	461	601	601
Diameter (mm)	850	850	850	1150	1150
Weight when empty (kg)	250	270	270	445	445
Full weight (kg) ²	654	735	337	1641	671
Access height (mm) ³	1260	1440	1440	1377	1377
Total height (mm)	1870	2050	2050	1985	1985
Depth (mm)	1200	1200	1200	1400	1400
Width (mm)	1100	1100	1100	1320	1320
Evaporation (in L/day of liquid) ⁵	4.5	4.5	4.5	8	8
Holding time (days) ⁶	111	127	25	138	35
Materials in direct or indirect contact with the user	Stainless steel, aluminium alloy, brass, copper, polycarbonate				

Work area volume:

The table and figure below show the space needed depending on the type of cryogenic tank.

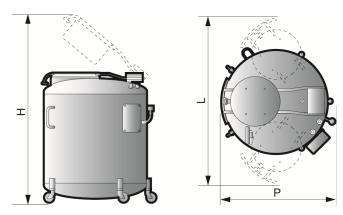


Figure 3-2: Peripheral volumes required.

			RCB	
Name	Unit	500	600	1001
Storage diameter	mm	850	850	1150
Access height	mm	1260	1440	1377
H: Total height (with assisted cap)	mm	1870	2050	1985
D: Depth	mm	1200	1200	1400
W: Width	mm	1100	1100	1320

Dimensions in mm.

3.3. Overview of the product range

References	Product description
RCB500N-L-1	RCB 500 Liquid
RCB500N-L-2	RCB 500 Liquid with assisted cap
RCB600N-L-1	RCB 600 Liquid
RCB600N-L-2	RCB 600 Liquid with assisted cap
RCB1001N-L-1	RCB 1001 Liquid
RCB1001N-L-2	RCB 1001 Liquid with assisted cap

The devices designed for use with the gaseous phase are only available in *Cryomemo* versions.

4. Usage instructions

4.1. Intended use

Tanks in the *RCB* range are designed for use in laboratories or hospital settings for the preservation and storage of biological samples.

Samples could be cord blood, blood bags, cells...

4.2. Expected performance

The expected performance of this device is that it maintains a cryogenic temperature for preserving biological samples.

The -150°C temperature is guaranteed if the lid is closed, with normal filling conditions.

4.3. Device service life

The vacuum of the *RCB* devices is guaranteed for 6 years. The service life of the *RCB* device is 10 years under normal usage conditions.

The device's service life can only be maintained if all of the recommendations made in this manual are followed.

4.4. Contraindications

RCB tanks must only be used within the temperature and humidity ranges specified in the user manual, and only with liquid phase nitrogen (see section 6).

4.5. Potential adverse effects

4.5.1. User

There are two major adverse effects linked to the use of liquid nitrogen:

- 1. Cold burns or cryogenic burns
- 2. Anoxia

In order to avoid these adverse effects, follow the safety instructions provided in this manual.

4.5.2. **Device**

There are two major adverse effects linked to the use of liquid nitrogen:

- 1. Deterioration of the cap: Damage to the cap foam over time and risk of the cap's plastic shell cracking.
- 2. Leakage from the pump check valve: If liquid nitrogen drips onto the pump check valve, it may no longer be leaktight.



If liquid nitrogen spills over onto the valve, check that all traces of frost have disappeared from the neck within 24 hours, and conduct a thermal performance inspection of the device by following the nitrogen level inspection protocol (see section 8.2).

5. Materials used

Materials in
direct or
indirect
contact with
the user

Stainless steel, aluminium alloy, brass, copper, polycarbonate.

6. Storage and handling conditions

There are several conditions and safeguards to follow so that *RCB* devices can be used in complete safety.

6.1. Storage tank

- The premises in which the equipment is stored must be equipped with personal protective equipment (PPE).
- There must be minimum safety distance of 0.5 m around the device.
- Do not store the equipment near heat sources.
- Temperature and humidity ranges during storage (in the device's original packaging):
 - Ambient temperature: -30°C to 60°C
 - Relative humidity: 0% to 85% without condensation
 - Atmospheric pressure: 500 hPa to 1150 hPa
- Ensure that there is sufficient ventilation in areas where liquid nitrogen is stored or used, because liquid nitrogen evaporates and produces large quantities of nitrogen gas, which can reduce the amount of oxygen in the surrounding air in confined spaces and lead to a risk of anoxia. A reduction in atmospheric oxygen levels is unnoticeable when breathing in, so anoxia results in a loss of consciousness then death without any warning signs.
- An oxygen meter, linked to a powerful audio and visual indicator, must be installed near anywhere that liquid nitrogen is stored or handled.
- The device must not be stored in a small, enclosed space (such as a cabinet or closet).
- The devices must be kept upright at all times.

This list is not exhaustive.

6.2. Handling

 Once the cryogenic tank has been brought on site, it must be placed in the desired location and the castors immobilised using the in-built brake.

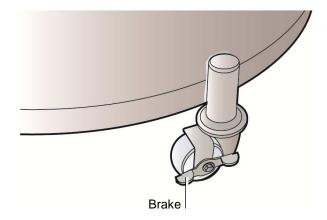


Figure 6-1: The brake on a castor.

- Temperature and humidity ranges during operation:
 - Ambient temperature: 20°C ±5°C, away from direct sunlight
 - Relative humidity: 30% to 65% without condensation
- Avoid impact and sudden movements.
- Samples (tubes, bags, cases, etc.) must be protected before being placed in the device.

This list is not exhaustive.

7. Moving the device

The device may be handled by forklift, in accordance with trade practices, only when it is within its packaging.

Never use a forklift truck to handle the device when it is not in its packaging; always move it by rolling on its castors instead.

This movement is only possible and safe over very short distances (tens of centimetres) in order to access the rear of the device during maintenance.

If the cryogenic container has already been used and must be moved to another location, it must be transported empty and in its original packing, complying with the requirements set by current national and international regulations.



It is forbidden to move a cryogenic device when it is full of liquid nitrogen and contains samples.

Cryogenic devices are not approved for storage in outdoor environments.

Special care must be given to the valve when moving the device to avoid any mechanical shocks.

8. Using the RCB device

8.1. Filling the device

When filling the device for the first time, refer to the Maintenance Manual NH78454. The first filling must be carried out by a trained and approved member of staff.

The tank must be filled while empty and the samples will only be inserted after the device is loaded with liquid nitrogen.

The medical device is filled by directly pouring liquid nitrogen through the neck using the flexible transfer hose (suitable for cryogenic applications and compliant with the EN12434 standard) connected to either a storage tank or a transfer line.

For storage in gaseous nitrogen, the maximum liquid level must be 135 mm (check using a level gauge).

If the device to be filled is hot, it must not be all filled up at once to avoid the risk of splashes. It must be first be filled ¾ of the way, and then left to cool for several minutes before filling it up to the top.

If the device being filled already contains some liquid nitrogen, it can be filled entirely in a single operation.



If the medical device is hot at first, the insulation will not be fully efficient until after 48 hours.

Liquid nitrogen losses will be high in the first hours and will generally be above the specifications for the first two days. If you are looking for maximum holding time, it is a good idea to top up the liquid nitrogen two or three days after filling.

During filling and transfer operations, make sure to use appropriate equipment and follow procedures which guarantee safety (hoses, vacuum valve).

We recommend that at least one person should be present at all times to monitor filling until completion.



Special care must be given to the valve when filling the device to preserve the cold.

8.2. Nitrogen level check

To check the level of liquid nitrogen remaining, follow the procedure below:

- Remove the cap
- Push the plastic level gauge down to the bottom for 3 or 4 seconds.

Remove it and shake it in the ambient air

The level of condensation of moisture in the air will indicate the level of liquid remaining in your device.



There may be a difference between the measurements taken using the level indicator and readings taken with a ruler, depending on the reference points used for the measurements.

To guarantee monitoring and maintenance of the device's performance, regular inspections of the evaporation rate are recommended depending on their respective holding times.

The results of these measurements can be recorded in a control chart to track the device's parameters (number of fills, daily consumption, evaporation rate, etc.)

The device naturally empties by evaporation, and must therefore be topped up regularly to ensure samples are preserved effectively.

If the evaporation rate is abnormally high in normal usage conditions, this means there is a problem with the vacuum. This also manifests as transpiration and the formation of frost on the outer casing. All necessary measures must be taken to protect the contents of the refrigerator. If these problems persist, contact the manufacturer.

8.3. Filling levels

The following acronyms are used:

Acronym	Meaning		
NS	Maximum liquid nitrogen filling level.		
NI	Minimum liquid nitrogen filling level.		
NI-NS	NI-NS is the adjustable minimum difference (10%) between high and low levels		

Table 1: The alarm thresholds listed are the default values (factory settings).

8.3.1. RCB 500

Products must only be stored in liquid state.

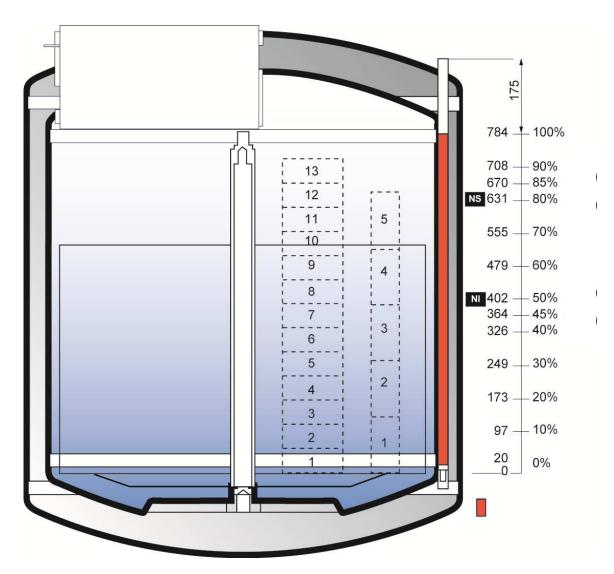


Figure 8-1: RCB 500 - measurement scale

8.3.2. RCB 600

Products can be stored in liquid or gaseous state.

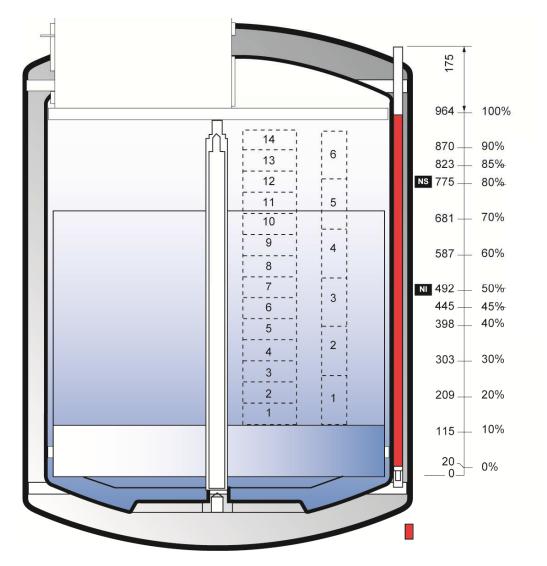


Figure 8-2: RCB 55 - liquid state - measurement scale

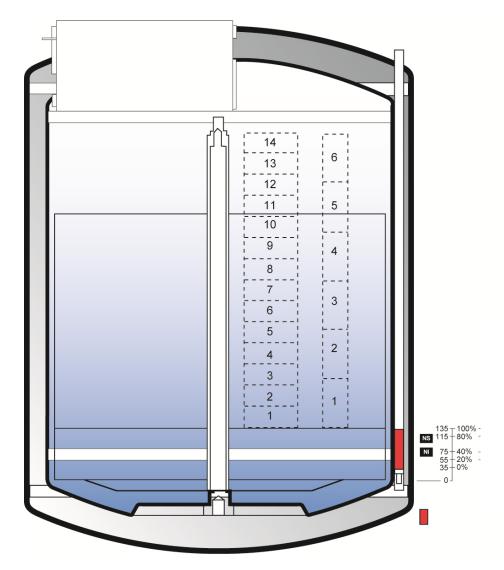


Figure 8-3: RCB 75 - liquid state - measurement scale

8.3.3. RCB 1001

Products can be stored in liquid or gaseous state.

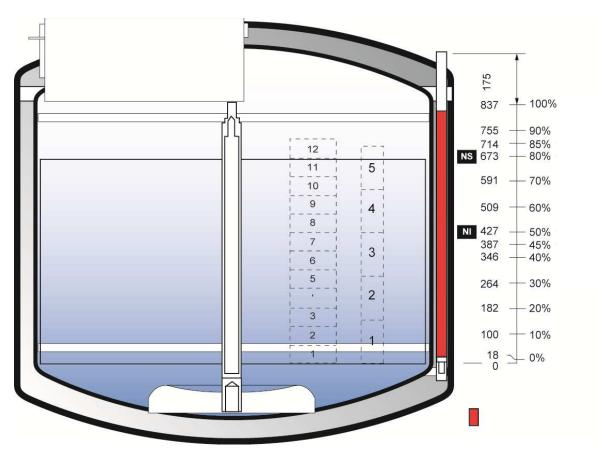


Figure 8-4: RCB 1001 - liquid state - measurement scale

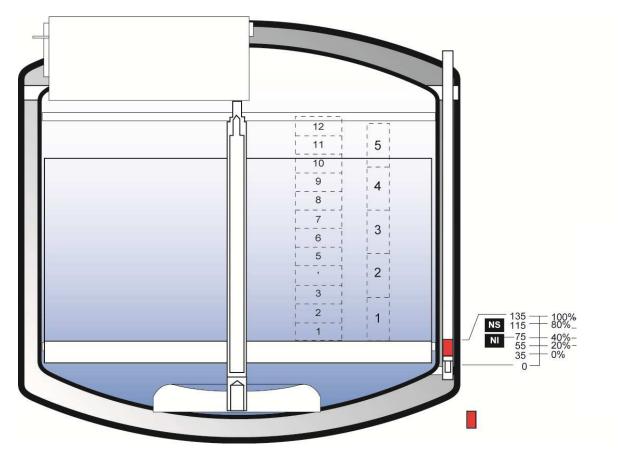


Figure 8-5: RCB 1001 - gaseous state - measurement scale

8.4. Using the device

Validate the following step before starting a device:

Action	ОК	NOK
Regularly check the liquid nitrogen level using the level gauge provided (see section 8.2).		

Comments relating to use:

- Due to the cryogenic temperatures, ice or water may form. These accumulations will be collected in a controlled way.
- The device must be inspected on a regular basis (external appearance, preserved products, condition of the tank, actual liquid nitrogen level).
- The installation of remote monitoring options or devices will improve the safety of the cryogenic system.
- Check there is no frost on the device's neck on a daily basis. If there is, immediately contact your distributor responsible for maintenance.
- The operator must implement daily monitoring procedures for their installations (alarms, etc.)
- At the end of the usage period, the device must be left to warm up naturally. Thoroughly dry the inside of the cryogenic tank by blowing with dry, de-oiled air.

8.4.1. Opening the cap



The person accessing the cryogenic device contents must be trained and authorised to use it.

For optimal functionality, the cap must only be opened when handling equipment.

The cap is fitted with an insulation cover. Always handle the cap using personal protective equipment.

The cap will remain closed as long as possible to avoid loss of cold and ice formation.

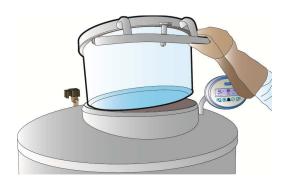
8.4.1.1. Unassisted cap



To open an unassisted cap, lift the cap by the handle and place it on a clean surface.

Figure 8-6: Cap opening or closing.

8.4.1.2. Assisted cap



The assisted cap is equipped with a bar and springs to make it easier to open. To open an assisted cap, lift it and turn it left or right until it stops completely. To close again, reverse the movement.

Figure 8-7: Opening or closing the assisted cap.



It is essential to always operate the assisted cap using the handle and follow the movement until a complete stop.



The assisted cap is equipped with a key lock. It is recommended you leave the cryogenic tank locked and never leave the key in the lock. Even though the cryogenic tank is provided with several keys, you should keep a copy in case of loss.

Opening the cap must be a voluntary action. The protection key, which is not an antiintrusion lock, allows limited access to authorised personnel; access to the samples must be subject to other means of protection.

8.5. Inserting or removing samples



It is essential to use the approved personal protective equipment such as gloves, protective clothing, goggles, etc.



Beware of the temperature of frozen products as well as the cold parts of the devices.



Be careful not to damage the neck when inserting or removing the device's racks.

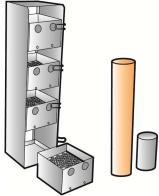


Figure 8-8: Example of racks, canisters and

goblets.

The samples are generally placed in racks. These are then put inside the cryogenic tank.

The storage conditions of the samples are the responsibility of the operator.



When handling racks, liquid nitrogen could spill out from the container. Personal protective equipment, such as cryogenic gloves and visors, must be worn.

Gradually lift the accessories so the liquid nitrogen can flow without splashing up and to not damage the accessories.

It is indispensable to place all of the storage units inside the container, even if they are empty. A storage unit that has not been conditioned to the temperature of the container before insertion will cause a significant temperature increase and a safety risk for the user.



It is recommended to use aluminium racks as opposed to stainless steel racks to ensure the temperature is as uniform as possible.

8.6. Handling the revolving basket



To handle the revolving basket, it is essential to use approved personal protection equipment such as gloves, protective clothing, goggles, etc.



Beware of the temperature of frozen products as well as the cold parts of the tank.



Figure 8-9: Handling the revolving basket with the key.

The cryogenic tank is equipped with a revolving basket to make it easier to access the samples. To operate it, you must use the key provided on the left of the cryogenic tank and connect it to the square of the central stand.

Replace the key on its holder before closing the cap.

9. Cleaning and maintenance

9.1. Emptying the device

Emptying the device is a maintenance operation that must be carried out by trained and authorised personnel.



Remove the frozen samples first and transfer them to another cryogenic device.

9.2. Servicing the device

Servicing is required to ensure the equipment remains in good working order. This is the operator's responsibility.

Cleaning is required to ensure the equipment remains in good working order. This is the operator's responsibility.

The tools used for maintenance operations must be non-abrasive and should have no sharp edges or points that could damage the surfaces.

• Defrosting the cap and neck (twice a month):

Lift and remove the cap off the neck, cover the neck with a protection to avoid hot air and moisture entering into the cryogenic tank. Let the cap ice melt in free air. Wipe carefully before replacing the cap on the neck.



All ice and/or water must be recovered so that it does not fall into the device.

Cleaning the outside of the device (once a month): Clean the outside of the device
only. The use of acetone, solvents or any other highly flammable or liquid chlorine-based
product is prohibited.

Wipe plastic parts with a dry cloth and if necessary with a slightly damp non-abrasive sponge (do not use abrasive powder), or with impregnated wipes.

Ordinary domestic cleaning products (slightly abrasive creams containing ammonia) applied with a sponge will be acceptable for the container and the stainless steel parts. Afterwards, rinse with a damp cloth, then wipe and leave to dry.



Keep the container clean and in good working order.



Disinfecting and cleaning the inside of the medical device is possible if deemed necessary. The must be carried out by someone who is trained and authorised in technical maintenance.

The regularity of these checks is for guidance only, and can be adapted based on how frequently the device is used.

9.3. Preventive maintenance

Maintenance is required to guarantee that the equipment remains within safety conditions. This is the responsibility of the device operator. The device is not covered by warranty if maintenance has not been carried out in line with the manufacturer's recommendations.



Preventive maintenance operations must be carried out by technicians who have received appropriate training and certification from the manufacturer.

Like every other device, your equipment may be subject to a mechanical failure. The manufacturer cannot be held responsible for any type of stored products lost as a result of this failure, even during the warranty period.



Only spare parts made by Cryopal may be used for maintenance. The use of non-Cryopal spare parts may affect the safety of this medical device, and releases Cryopal from all liability in the event of an incident. The device will no longer be covered by warranty if non-Cryopal spare parts are used.

Preventive maintenance of devices should be carried out according to the manufacturer's instructions as given in the maintenance manual and updates (if any).

10. Help

10.1. What to do if you are splashed by refrigerated liquid nitrogen

When handling nitrogen to fill the device, there is a possibility it may splash into your eyes and/or on your skin:

In the eyes

- Wash the eyes with plenty of water for at least 15 minutes;
- Follow the first aid procedures in place in your workplace;
- See a doctor.

On the skin

- Do not rub;
- Remove (if possible) or loosen your clothing;
- Defrost the affected areas by gently and gradually warming them up;
- Do not apply anything to the burnt area;
- Follow the first aid procedures in place in your workplace;
- See a doctor.

This list is not exhaustive.

10.2. What to do in the event of an accident

- Cordon off the perimeter to prevent any further accidents;
- Act quickly: the first aider must be equipped with personal protective equipment (stand-alone respiratory protection equipment);
- Carry out an emergency evacuation of the victim(s);
- Follow the first aid procedures in place in your workplace;
- Ventilate the area;
- Resolve the cause of the accident.

This list is not exhaustive.

10.3. Stuck cap

Cause	Solution
The lock is locked	Unlock the lock
The lock is stuck and frozen	De-ice the lock
The lock is stuck and not frozen	Change the lock
Cap frozen onto the neck of the	If thoroughly stuck, attempt to defrost the cap using a hot air
device	device no warmer than 60°C. The cover can be removed for
	easier access to the frozen areas. Then continue to defrost
	the container completely.
	Be careful with the plastic parts (cap, outer panels, etc.).



All ice and/or water must be recovered so that it does not fall into the device.

11. Accessories



Only Cryopal accessories are approved for use with our devices. The use of different accessories may affect the safety of this medical device, and releases Cryopal from all liability in the event of an incident. The device will no longer be covered by warranty if different accessories are used.

CRYOPAL REF.	PRODUCT DESCRIPTION
ACC-RCB-214	Assisted cap option for RCB 1001
ACC-RCB-215	Assisted cap option for RCB 500/600
ACC-RCB-212	Step for RCB 1001
ACC-RCB-213	Step for RCB 600
ACC-RCB-5	Double partition option for RCB 500/600
ACC-RCB-6	Triple partition option for RCB 500/600
ACC-RCB-7	Quadruple partition option for RCB 500/600
ACC-RCB-8	Double partition option for RCB 1001
ACC-RCB-9	Triple partition option for RCB 1001
ACC-RCB-10	Quadruple partition option for RCB 1001
ACC-BOXTUBE-304	Goblet holder
ACC-ESP-344	Cleaning protection cover for ESP/RCB cap
ACC-BOXTUBE-412	Level gauge (manual measurement)

RCB devices are sold "bare" with no internal fittings, with the option to add the following accessories:

- Rack storage systems.
- Availability of varied storage systems adapted to vials, tubes, straws, bags, etc.

Product ref.	Description	Function
ACC-BOXTUBE-414	250 sleeve set	Organising
ACC-RCB-5	RCB 500/600 double partition	

ACC-RCB-9 RCB 1000/1001 triple partition ACC-RCB-10 RCB 1001 quadruple partition ACC-RCB-8 RCB 1001 double partition ACC-BOXTUBE-6 1 ml cryo-tube ACC-BOXTUBE-11 2 ml cryo-tube ACC-BOXTUBE-16 5 ml cryo-tube ACC-BOXTUBE-304 Goblet holder ACC-RCB-212 RCB 1001 step Facilitates access to the tank neck ACC-RCB-213 RCB 600 step ACC-BOXTUBE-302 "Daisy" goblet 65 mm diameter with cap ACC-BOXTUBE-301 Goblet with 65mm diameter ACC-BOXTUBE-415 Pierced goblet 65 mm diameter with cap ACC-BOXTUBE-404 Right-angled lifter for canister with 5 levels for RCB 500/1000 ACC-BOXTUBE-406 Right-angled lifter for canister with 6 levels for RCB 600/1001 sleeve ACC-BOXTUBE-409 Rack hook ACC-BOXTUBE-3 Sight vial diameter 10 ACC-BOXTUBE-4 Sight vial diameter 12	Product ref.	Description	Function
ACC-RCB-9 ACC-RCB-10 RCB 1000/1001 triple partition ACC-RCB-10 RCB 1001 quadruple partition ACC-RCB-8 RCB 1001 double partition ACC-RCB-8 RCB 1001 double partition ACC-ROXTUBE-6 1 ml cryo-tube ACC-BOXTUBE-11 2 ml cryo-tube ACC-BOXTUBE-16 5 ml cryo-tube ACC-BOXTUBE-304 Goblet holder ACC-RCB-212 RCB 1001 step ACC-RCB-213 RCB 600 step ACC-BOXTUBE-302 "Daisy" goblet 65 mm diameter with cap ACC-BOXTUBE-301 Goblet with 65mm diameter with cap ACC-BOXTUBE-415 Pierced goblet 65 mm diameter with cap ACC-BOXTUBE-404 Right-angled lifter for canister with 5 levels for RCB 500/1000 ACC-BOXTUBE-404 Rack hook ACC-BOXTUBE-406 Roy-1001 sleeve ACC-BOXTUBE-409 Rack hook ACC-BOXTUBE-40 Sight vial diameter 10 ACC-BOXTUBE-5 Sight vial diameter 12 ACC-BOXTUBE-104 Set of 10 cryo-plastic boxes 133x133x51 (100 2 ml tubes) ACC-BOXTUBE-105 Set of 4 cryo-plastic boxes 133x133x51 (81 2ml tubes) ACC-BOXTUBE-107 Set of 4 cryo-plastic boxes 133x133x95 (81 5ml tubes) ACC-ROXTUBE-107 Rack with 10 levels for 25 ml bags	ACC-RCB-6	RCB 500/600 triple partition	
ACC-RCB-10 RCB 1001 quadruple partition ACC-RCB-8 RCB 1001 double partition ACC-RCB-8 RCB 1001 double partition ACC-ROXTUBE-6 1 ml cryo-tube ACC-BOXTUBE-11 2 ml cryo-tube ACC-BOXTUBE-16 5 ml cryo-tube ACC-BOXTUBE-304 Goblet holder Holding goblets ACC-RCB-212 RCB 1001 step Facilitates access to the tank neck ACC-RCB-213 RCB 600 step Facilitates access to the tank neck ACC-BOXTUBE-301 Goblet with 65mm diameter with cap ACC-BOXTUBE-301 Goblet with 65mm diameter with cap ACC-BOXTUBE-415 Pierced goblet 65 mm diameter with cap ACC-BOXTUBE-404 Right-angled lifter for canister with 5 levels for RCB 500/1000 ACC-BOXTUBE-406 Rown Handling canisters ACC-BOXTUBE-407 Rack hook Handling racks ACC-BOXTUBE-3 Sight vial diameter 10 ACC-BOXTUBE-4 Sight vial diameter 12 ACC-BOXTUBE-5 Sight vial with stopper ACC-BOXTUBE-104 Set of 10 cryo-plastic boxes 133x133x51 (100 2 ml tubes) ACC-BOXTUBE-105 Set of 4 cryo-plastic boxes 133x133x51 (81 2ml tubes) ACC-BOXTUBE-107 Set of 4 cryo-plastic boxes 133x133x95 (81 5ml tubes) ACC-ROXTUBE-107 Rack with 10 levels for 25 ml bags	ACC-RCB-7	RCB 500/600 quadruple partition	
ACC-RCB-8 RCB 1001 double partition ACC-BOXTUBE-6 1 ml cryo-tube ACC-BOXTUBE-11 2 ml cryo-tube ACC-BOXTUBE-16 5 ml cryo-tube ACC-BOXTUBE-304 Goblet holder Holding goblets ACC-RCB-212 RCB 1001 step Facilitates access to the tank neck ACC-RCB-213 RCB 600 step tank neck ACC-BOXTUBE-302 "Daisy" goblet 65 mm diameter with cap ACC-BOXTUBE-301 Goblet with 65mm diameter with cap ACC-BOXTUBE-405 Pierced goblet 65 mm diameter with cap ACC-BOXTUBE-405 Right-angled lifter for canister with 5 levels for RCB 500/1000 ACC-BOXTUBE-406 Right-angled lifter for canister with 6 levels for RCB 600/1001 sleeve ACC-BOXTUBE-409 Rack hook Handling racks ACC-BOXTUBE-4 Sight vial diameter 10 ACC-BOXTUBE-5 Sight vial diameter 12 ACC-BOXTUBE-104 Set of 10 cryo-plastic boxes 133x133x51 (100 2 ml tubes) ACC-BOXTUBE-105 Set of 8 cryo-plastic boxes 133x133x51 (81 2ml tubes) ACC-BOXTUBE-106 Set of 4 cryo-plastic boxes 133x133x95 (81 5ml tubes) ACC-BOXTUBE-107 ACC-RACK-193 Rack with 10 levels for 25 ml bags	ACC-RCB-9	RCB 1000/1001 triple partition	
ACC-BOXTUBE-6 1 ml cryo-tube ACC-BOXTUBE-11 2 ml cryo-tube ACC-BOXTUBE-16 5 ml cryo-tube ACC-BOXTUBE-304 Goblet holder Holding goblets ACC-RCB-212 RCB 1001 step Facilitates access to the tank neck ACC-RCB-213 RCB 600 step tank neck ACC-BOXTUBE-302 "Daisy" goblet 65 mm diameter with cap ACC-BOXTUBE-301 Goblet with 65mm diameter ACC-BOXTUBE-405 Plerced goblet 65 mm diameter with cap ACC-BOXTUBE-405 Plerced goblet 65 mm diameter with cap ACC-BOXTUBE-406 Right-angled lifter for canister with 5 levels for RCB 500/1000 ACC-BOXTUBE-406 Right-angled lifter for canister with 6 levels for RCB 600/1001 sleeve ACC-BOXTUBE-409 Rack hook Handling racks ACC-BOXTUBE-4 Sight vial diameter 10 ACC-BOXTUBE-5 Sight vial diameter 12 ACC-BOXTUBE-1 Polygon sight vial ACC-BOXTUBE-104 Set of 10 cryo-plastic boxes 133x133x51 (100 2 ml tubes) ACC-BOXTUBE-105 Set of 8 cryo-plastic boxes 133x133x51 (81 2ml tubes) ACC-BOXTUBE-107 Set of 4 cryo-plastic boxes 133x133x95 (81 5ml tubes) ACC-BOXTUBE-107 Rack with 10 levels for 25 ml bags	ACC-RCB-10	RCB 1001 quadruple partition	
ACC-BOXTUBE-11 2 ml cryo-tube ACC-BOXTUBE-304 Goblet holder ACC-RCB-212 RCB 1001 step ACC-RCB-213 RCB 600 step ACC-BOXTUBE-302 "Daisy" goblet 65 mm diameter with cap ACC-BOXTUBE-301 Goblet with 65mm diameter with cap ACC-BOXTUBE-404 Pierced goblet 65 mm diameter with 5 levels for RCB 500/1000 ACC-BOXTUBE-404 Right-angled lifter for canister with 6 levels for RCB 600/1001 sleeve ACC-BOXTUBE-409 Rack hook ACC-BOXTUBE-3 Sight vial diameter 10 ACC-BOXTUBE-4 Sight vial diameter 12 ACC-BOXTUBE-5 Sight vial with stopper ACC-BOXTUBE-104 ACC-BOXTUBE-105 Set of 8 cryo-plastic boxes 133x133x51 (100 2 ml tubes) ACC-BOXTUBE-106 Set of 4 cryo-plastic boxes 133x133x95 (81 5ml tubes) ACC-BOXTUBE-107 ACC-ROXTUBE-107 ACC-ROXTU	ACC-RCB-8	RCB 1001 double partition	
ACC-BOXTUBE-16 ACC-BOXTUBE-304 Goblet holder ACC-RCB-212 RCB 1001 step ACC-RCB-213 RCB 600 step ACC-BOXTUBE-302 ACC-BOXTUBE-301 ACC-BOXTUBE-301 Goblet with 65mm diameter with cap ACC-BOXTUBE-404 ACC-BOXTUBE-404 ACC-BOXTUBE-404 ACC-BOXTUBE-406 Right-angled lifter for canister with 6 levels for RCB 500/1001 sleeve ACC-BOXTUBE-4 ACC-BOXTUBE-4 ACC-BOXTUBE-4 ACC-BOXTUBE-4 ACC-BOXTUBE-4 ACC-BOXTUBE-4 ACC-BOXTUBE-5 ACC-BOXTUBE-5 ACC-BOXTUBE-104 ACC-BOXTUBE-105 ACC-BOXTUBE-105 ACC-BOXTUBE-106 ACC-BOXTUBE-106 ACC-BOXTUBE-107 ACC-	ACC-BOXTUBE-6	1 ml cryo-tube	
ACC-BOXTUBE-304 Goblet holder Holding goblets ACC-RCB-212 RCB 1001 step Facilitates access to the tank neck ACC-RCB-213 RCB 600 step tank neck ACC-BOXTUBE-302 "Daisy" goblet 65 mm diameter with cap ACC-BOXTUBE-301 Goblet with 65mm diameter ACC-BOXTUBE-415 Pierced goblet 65 mm diameter with cap ACC-BOXTUBE-404 Right-angled lifter for canister with 5 levels for RCB 500/1000 ACC-BOXTUBE-406 Right-angled lifter for canister with 6 levels for RCB 600/1001 sleeve ACC-BOXTUBE-409 Rack hook Handling racks ACC-BOXTUBE-3 Sight vial diameter 10 ACC-BOXTUBE-4 Sight vial diameter 12 ACC-BOXTUBE-5 Sight vial with stopper ACC-BOXTUBE-104 Set of 10 cryo-plastic boxes 133x133x51 (100 2 ml tubes) ACC-BOXTUBE-105 Set of 8 cryo-plastic boxes 76x76x51 (25 2ml tubes) ACC-BOXTUBE-106 Set of 4 cryo-plastic boxes 133x133x95 (81 2ml tubes) ACC-BOXTUBE-107 Set of 4 cryo-plastic boxes 133x133x95 (81 5ml tubes) ACC-BOXTUBE-107 Rack with 10 levels for 25 ml bags	ACC-BOXTUBE-11	2 ml cryo-tube	Storing samples
ACC-RCB-212 RCB 1001 step Facilitates access to the tank neck ACC-RCB-213 RCB 600 step tank neck ACC-BOXTUBE-302 "Daisy" goblet 65 mm diameter with cap ACC-BOXTUBE-301 Goblet with 65mm diameter ACC-BOXTUBE-415 Pierced goblet 65 mm diameter with cap ACC-BOXTUBE-404 Right-angled lifter for canister with 5 levels for RCB 500/1000 ACC-BOXTUBE-406 Right-angled lifter for canister with 6 levels for RCB 600/1001 sleeve ACC-BOXTUBE-409 Rack hook Handling racks ACC-BOXTUBE-3 Sight vial diameter 10 ACC-BOXTUBE-4 Sight vial diameter 12 ACC-BOXTUBE-5 Sight vial with stopper ACC-BOXTUBE-10 Polygon sight vial ACC-BOXTUBE-105 Set of 8 cryo-plastic boxes 133x133x51 (100 2 ml tubes) ACC-BOXTUBE-106 Set of 4 cryo-plastic boxes 76x76x51 (25 2ml tubes) ACC-BOXTUBE-107 Set of 4 cryo-plastic boxes 133x133x95 (81 5ml tubes) ACC-BOXTUBE-107 Rack with 10 levels for 25 ml bags	ACC-BOXTUBE-16	5 ml cryo-tube	
ACC-RCB-213 RCB 600 step ACC-BOXTUBE-302 "Daisy" goblet 65 mm diameter with cap ACC-BOXTUBE-301 Goblet with 65mm diameter ACC-BOXTUBE-415 Pierced goblet 65 mm diameter with cap ACC-BOXTUBE-404 Right-angled lifter for canister with 5 levels for RCB 500/1000 ACC-BOXTUBE-406 Right-angled lifter for canister with 6 levels for RCB 600/1001 sleeve ACC-BOXTUBE-409 Rack hook ACC-BOXTUBE-3 Sight vial diameter 10 ACC-BOXTUBE-4 Sight vial diameter 12 ACC-BOXTUBE-5 Sight vial with stopper ACC-BOXTUBE-10 Polygon sight vial ACC-BOXTUBE-104 Set of 10 cryo-plastic boxes 133x133x51 (100 2 ml tubes) ACC-BOXTUBE-105 Set of 8 cryo-plastic boxes 76x76x51 (25 2ml tubes) ACC-BOXTUBE-106 Set of 4 cryo-plastic boxes 133x133x95 (81 2ml tubes) ACC-BOXTUBE-107 Rack with 10 levels for 25 ml bags	ACC-BOXTUBE-304	Goblet holder	Holding goblets
ACC-BOXTUBE-302 "Daisy" goblet 65 mm diameter with cap ACC-BOXTUBE-301 Goblet with 65mm diameter ACC-BOXTUBE-415 Pierced goblet 65 mm diameter with cap ACC-BOXTUBE-404 Pierced goblet 65 mm diameter with 5 levels for RCB 500/1000 ACC-BOXTUBE-404 Right-angled lifter for canister with 6 levels for RCB 600/1001 sleeve ACC-BOXTUBE-409 Rack hook ACC-BOXTUBE-3 Sight vial diameter 10 ACC-BOXTUBE-4 Sight vial diameter 12 ACC-BOXTUBE-5 Sight vial with stopper ACC-BOXTUBE-1 Polygon sight vial ACC-BOXTUBE-104 Set of 10 cryo-plastic boxes 133x133x51 (100 2 ml tubes) ACC-BOXTUBE-105 Set of 8 cryo-plastic boxes 76x76x51 (25 2ml tubes) ACC-BOXTUBE-106 Set of 4 cryo-plastic boxes 133x133x95 (81 2ml tubes) ACC-BOXTUBE-107 Rack with 10 levels for 25 ml bags	ACC-RCB-212	RCB 1001 step	Facilitates access to the
ACC-BOXTUBE-301 Goblet with 65mm diameter ACC-BOXTUBE-415 Pierced goblet 65 mm diameter with cap Right-angled lifter for canister with 5 levels for RCB 500/1000 ACC-BOXTUBE-406 Right-angled lifter for canister with 6 levels for RCB 600/1001 sleeve ACC-BOXTUBE-406 Rack hook ACC-BOXTUBE-3 Sight vial diameter 10 ACC-BOXTUBE-4 Sight vial diameter 12 ACC-BOXTUBE-5 Sight vial with stopper ACC-BOXTUBE-1 Polygon sight vial ACC-BOXTUBE-104 Set of 10 cryo-plastic boxes 133x133x51 (100 2 ml tubes) ACC-BOXTUBE-105 Set of 8 cryo-plastic boxes 76x76x51 (25 2ml tubes) ACC-BOXTUBE-106 Set of 4 cryo-plastic boxes 133x133x51 (81 2ml tubes) ACC-BOXTUBE-107 Rack with 10 levels for 25 ml bags	ACC-RCB-213	RCB 600 step	tank neck
ACC-BOXTUBE-404 Right-angled lifter for canister with 5 levels for RCB 500/1000 ACC-BOXTUBE-406 Right-angled lifter for canister with 6 levels for RCB 600/1001 sleeve ACC-BOXTUBE-409 Rack hook ACC-BOXTUBE-3 Sight vial diameter 10 ACC-BOXTUBE-4 Sight vial diameter 12 ACC-BOXTUBE-5 Sight vial with stopper ACC-BOXTUBE-1 Polygon sight vial ACC-BOXTUBE-104 ACC-BOXTUBE-105 Set of 10 cryo-plastic boxes 133x133x51 (100 2 ml tubes) ACC-BOXTUBE-105 Set of 4 cryo-plastic boxes 76x76x51 (25 2ml tubes) ACC-BOXTUBE-106 Set of 4 cryo-plastic boxes 133x133x95 (81 2ml tubes) ACC-BOXTUBE-107 ACC-BOXTUBE-107 ACC-BOXTUBE-107 Rack with 10 levels for 25 ml bags	ACC-BOXTUBE-302	"Daisy" goblet 65 mm diameter with cap	
ACC-BOXTUBE-404 Right-angled lifter for canister with 5 levels for RCB 500/1000 RCC-BOXTUBE-406 Right-angled lifter for canister with 6 levels for RCB 600/1001 sleeve ACC-BOXTUBE-409 Rack hook ACC-BOXTUBE-3 Sight vial diameter 10 ACC-BOXTUBE-4 Sight vial diameter 12 ACC-BOXTUBE-5 ACC-BOXTUBE-1 Polygon sight vial Set of 10 cryo-plastic boxes 133x133x51 (100 2 ml tubes) ACC-BOXTUBE-105 Set of 8 cryo-plastic boxes 76x76x51 (25 2ml tubes) ACC-BOXTUBE-106 ACC-BOXTUBE-107 Set of 4 cryo-plastic boxes 133x133x95 (81 5ml tubes) ACC-BOXTUBE-107 Rack with 10 levels for 25 ml bags	ACC-BOXTUBE-301	Goblet with 65mm diameter	Storing straws
ACC-BOXTUBE-404 ACC-BOXTUBE-406 Right-angled lifter for canister with 6 levels for RCB 600/1001 sleeve ACC-BOXTUBE-409 Rack hook ACC-BOXTUBE-3 ACC-BOXTUBE-4 Sight vial diameter 10 ACC-BOXTUBE-4 ACC-BOXTUBE-5 ACC-BOXTUBE-5 ACC-BOXTUBE-1 Polygon sight vial Set of 10 cryo-plastic boxes 133x133x51 (100 2 ml tubes) ACC-BOXTUBE-105 Set of 8 cryo-plastic boxes 76x76x51 (25 2ml tubes) ACC-BOXTUBE-106 ACC-BOXTUBE-107 Set of 4 cryo-plastic boxes 133x133x95 (81 5ml tubes) ACC-BOXTUBE-107 Rack with 10 levels for 25 ml bags	ACC-BOXTUBE-415	Pierced goblet 65 mm diameter with cap	
ACC-BOXTUBE-406 Right-angled lifter for canister with 6 levels for RCB 600/1001 sleeve ACC-BOXTUBE-409 Rack hook ACC-BOXTUBE-3 Sight vial diameter 10 ACC-BOXTUBE-4 ACC-BOXTUBE-5 Sight vial with stopper ACC-BOXTUBE-1 Polygon sight vial Set of 10 cryo-plastic boxes 133x133x51 (100 2 ml tubes) ACC-BOXTUBE-105 Set of 8 cryo-plastic boxes 76x76x51 (25 2ml tubes) ACC-BOXTUBE-106 ACC-BOXTUBE-107 Set of 4 cryo-plastic boxes 133x133x95 (81 5ml tubes) ACC-BOXTUBE-107 Rack with 10 levels for 25 ml bags	400 DOVTUDE 404	Right-angled lifter for canister with 5 levels for RCB	
ACC-BOXTUBE-406 Right-angled lifter for canister with 6 levels for RCB 600/1001 sleeve ACC-BOXTUBE-409 Rack hook ACC-BOXTUBE-3 Sight vial diameter 10 ACC-BOXTUBE-4 Sight vial diameter 12 ACC-BOXTUBE-5 ACC-BOXTUBE-5 ACC-BOXTUBE-1 Polygon sight vial Set of 10 cryo-plastic boxes 133x133x51 (100 2 ml tubes) ACC-BOXTUBE-105 Set of 8 cryo-plastic boxes 76x76x51 (25 2ml tubes) ACC-BOXTUBE-106 Set of 4 cryo-plastic boxes 133x133x51 (81 2ml tubes) ACC-BOXTUBE-107 Set of 4 cryo-plastic boxes 133x133x95 (81 5ml tubes) ACC-BOXTUBE-107 Rack with 10 levels for 25 ml bags	ACC-BOXTUBE-404	500/1000	11
ACC-BOXTUBE-409 Rack hook ACC-BOXTUBE-3 Sight vial diameter 10 ACC-BOXTUBE-4 Sight vial diameter 12 ACC-BOXTUBE-5 Sight vial with stopper ACC-BOXTUBE-1 Polygon sight vial ACC-BOXTUBE-104 Set of 10 cryo-plastic boxes 133x133x51 (100 2 ml tubes) ACC-BOXTUBE-105 Set of 8 cryo-plastic boxes 76x76x51 (25 2ml tubes) ACC-BOXTUBE-106 Set of 4 cryo-plastic boxes 133x133x51 (81 2ml tubes) ACC-BOXTUBE-107 Set of 4 cryo-plastic boxes 133x133x95 (81 5ml tubes) ACC-BOXTUBE-107 Rack with 10 levels for 25 ml bags	ACC DOVILIDE 400	Right-angled lifter for canister with 6 levels for RCB	Handling canisters
ACC-BOXTUBE-3 Sight vial diameter 10 ACC-BOXTUBE-4 Sight vial diameter 12 ACC-BOXTUBE-5 Sight vial with stopper ACC-BOXTUBE-1 Polygon sight vial ACC-BOXTUBE-104 Set of 10 cryo-plastic boxes 133x133x51 (100 2 ml tubes) ACC-BOXTUBE-105 Set of 8 cryo-plastic boxes 76x76x51 (25 2ml tubes) ACC-BOXTUBE-106 Set of 4 cryo-plastic boxes 133x133x51 (81 2ml tubes) ACC-BOXTUBE-107 Set of 4 cryo-plastic boxes 133x133x95 (81 5ml tubes) ACC-BOXTUBE-107 Rack with 10 levels for 25 ml bags	ACC-BOXTUBE-406	600/1001 sleeve	
ACC-BOXTUBE-4 Sight vial diameter 12 ACC-BOXTUBE-5 Sight vial with stopper ACC-BOXTUBE-1 Polygon sight vial ACC-BOXTUBE-104 Set of 10 cryo-plastic boxes 133x133x51 (100 2 ml tubes) ACC-BOXTUBE-105 Set of 8 cryo-plastic boxes 76x76x51 (25 2ml tubes) ACC-BOXTUBE-106 Set of 4 cryo-plastic boxes 133x133x51 (81 2ml tubes) ACC-BOXTUBE-106 Set of 4 cryo-plastic boxes 133x133x95 (81 5ml tubes) ACC-BOXTUBE-107 Set of 4 cryo-plastic boxes 133x133x95 (81 5ml tubes) ACC-BOXTUBE-107 Rack with 10 levels for 25 ml bags	ACC-BOXTUBE-409	Rack hook	Handling racks
ACC-BOXTUBE-5 Sight vial with stopper ACC-BOXTUBE-1 Polygon sight vial Set of 10 cryo-plastic boxes 133x133x51 (100 2 ml tubes) ACC-BOXTUBE-105 Set of 8 cryo-plastic boxes 76x76x51 (25 2ml tubes) ACC-BOXTUBE-106 Set of 4 cryo-plastic boxes 133x133x51 (81 2ml tubes) ACC-BOXTUBE-107 Set of 4 cryo-plastic boxes 133x133x95 (81 5ml tubes) ACC-BOXTUBE-107 Rack with 10 levels for 25 ml bags	ACC-BOXTUBE-3	Sight vial diameter 10	
ACC-BOXTUBE-1 Polygon sight vial ACC-BOXTUBE-104 Set of 10 cryo-plastic boxes 133x133x51 (100 2 ml tubes) ACC-BOXTUBE-105 Set of 8 cryo-plastic boxes 76x76x51 (25 2ml tubes) ACC-BOXTUBE-106 Set of 4 cryo-plastic boxes 133x133x51 (81 2ml tubes) ACC-BOXTUBE-107 Set of 4 cryo-plastic boxes 133x133x95 (81 5ml tubes) ACC-BOXTUBE-107 Rack with 10 levels for 25 ml bags	ACC-BOXTUBE-4	Sight vial diameter 12	Storing straws
ACC-BOXTUBE-104 Set of 10 cryo-plastic boxes 133x133x51 (100 2 ml tubes) ACC-BOXTUBE-105 Set of 8 cryo-plastic boxes 76x76x51 (25 2ml tubes) Set of 4 cryo-plastic boxes 133x133x51 (81 2ml tubes) ACC-BOXTUBE-106 Set of 4 cryo-plastic boxes 133x133x95 (81 5ml tubes) ACC-BOXTUBE-107 ACC-RACK-193 Rack with 10 levels for 25 ml bags	ACC-BOXTUBE-5	Sight vial with stopper	
ACC-BOXTUBE-104 tubes) ACC-BOXTUBE-105 Set of 8 cryo-plastic boxes 76x76x51 (25 2ml tubes) ACC-BOXTUBE-106 Set of 4 cryo-plastic boxes 133x133x51 (81 2ml tubes) ACC-BOXTUBE-107 Set of 4 cryo-plastic boxes 133x133x95 (81 5ml tubes) ACC-RACK-193 Rack with 10 levels for 25 ml bags	ACC-BOXTUBE-1	Polygon sight vial	
ACC-BOXTUBE-105 Set of 8 cryo-plastic boxes 76x76x51 (25 2ml tubes) Set of 4 cryo-plastic boxes 133x133x51 (81 2ml tubes) ACC-BOXTUBE-106 Set of 4 cryo-plastic boxes 133x133x95 (81 5ml tubes) ACC-BOXTUBE-107 ACC-RACK-193 Rack with 10 levels for 25 ml bags	ACC-BOXTUBE-104		
ACC-BOXTUBE-106 Set of 4 cryo-plastic boxes 133x133x51 (81 2ml tubes) ACC-BOXTUBE-107 Set of 4 cryo-plastic boxes 133x133x95 (81 5ml tubes) ACC-RACK-193 Rack with 10 levels for 25 ml bags	ACC-BOXTUBE-105	, and the second	Storing 2 ml tubes
ACC-BOXTUBE-106 tubes) ACC-BOXTUBE-107 Set of 4 cryo-plastic boxes 133x133x95 (81 5ml tubes) ACC-RACK-193 Rack with 10 levels for 25 ml bags		, ,	
ACC-BOXTUBE-107 Set of 4 cryo-plastic boxes 133x133x95 (81 5ml tubes) ACC-RACK-193 Rack with 10 levels for 25 ml bags	ACC-BOXTUBE-106		
ACC-BOXTUBE-107 tubes) ACC-RACK-193 Rack with 10 levels for 25 ml bags	ACC-BOXTUBE-107	,	
<u> </u>			
ACC-RACK-194 Rack with 9 levels for 25 ml bags	ACC-RACK-193	Rack with 10 levels for 25 ml bags	Storing bags and tubes
	ACC-RACK-194	Rack with 9 levels for 25 ml bags	
ACC-RACK-195 Rack with 8 levels for 25 ml bags	ACC-RACK-195	Rack with 8 levels for 25 ml bags	
ACC-RACK-202 Rack with 7 levels for 25 ml bags	ACC-RACK-202	Rack with 7 levels for 25 ml bags	
ACC-RACK-203 Rack with 6 levels for 25 ml bags Storing bags and tubes	ACC-RACK-203	Rack with 6 levels for 25 ml bags	
ACC-RACK-204 Rack with 7 levels for 25 ml bags	ACC-RACK-204	Rack with 7 levels for 25 ml bags	
ACC-RACK-205 Rack with 8 levels for 25 ml bags	ACC-RACK-205	Rack with 8 levels for 25 ml bags	
ACC-RACK-206 Rack with 9 levels for 25 ml bags	ACC-RACK-206	-	

Product ref.	Description	Function
ACC-RACK-10	Rack with 4 levels for 50 ml bags	
ACC-RACK-37	Vertical rack with 7 levels for Baxter 50 bags	
ACC-RACK-32	Rack with 2 levels for DF700	
ACC-RACK-38	Vertical rack with 4 levels for DF200 bags	
ACC-RACK-34	Vertical rack with 4 levels for Baxter 500 bags	
ACC-RACK-36	Vertical rack with 4 levels for DF700 bags	
ACC-RACK-35	Vertical rack with 4 levels for Baxter 750 bags	
ACC-RACK-5	Vertical rack with 12 levels for 1.2 and 2 ml tubes + box	
ACC-RACK-6	Vertical rack with 13 levels for 1.2 and 2 ml tubes	
ACC-RACK-9	Vertical rack with 13 levels for 1.2 and 2 ml tubes	
ACC-RACK-29	Vertical rack with 7 levels for 5 ml tubes	
ACC-RACK-39	Vertical rack with 4 levels for straws without sight vials	
ACC-RACK-155	26 racks with 2 levels for vertical DF700 bags in RCB 500/600	
ACC-RACK-162	50 racks with 2 levels for vertical DF700 bags in RCB 1000/1001	
ACC-RACK-167	30 racks with 4 levels for Baxter 750 bags in RCB 1000/1001	
ACC-RACK-168	20 racks with 13 levels (81/100 box) and 4 racks with 13 levels (25 box) for 2 ml tubes for RCB 500	
ACC-RACK-170	20 racks with 14 levels (81/100 box) and 4 racks with 14 levels (25 box) for 2 ml tubes for RCB 600	
ACC-RACK-172	40 racks with 12 levels (81/100 box) for 2 ml tubes for RCB 1000/1001	
ACC-RACK-30	Vertical rack with 14 levels for 1.2/2 ml tubes (without box)	
ACC-RACK-31	Vertical rack with 14 levels for 1.2/2 ml tubes (without box)	
ACC-RACK-171	20 racks with 8 levels for 5 ml tubes (81 box) for RCB 600	
ACC-RACK-173	40 racks with 7 levels for 5 ml tubes (81 box) for RCB 1000/1001	
ACC-RACK-3	Rack with 8 levels for 5 ml tubes (without box) for RCB 600	
ACC-RACK-200	20 racks with 4 levels without sight vial for straws in RCB 500/600	

Product ref.	Description	Function
ACC-PLASCAN-3	Plastic canister with 5 levels	
ACC-PLASCAN-100	120 canisters with 5 levels + 600 goblets for RCB	
ACC-PLASCAN-100	500	
ACC-PLASCAN-101	120 canisters with 6 levels + 720 goblets for RCB	
ACC-1 LACCAIV-101	600	
ACC-PLASCAN-102	225 canisters with 5 levels + 1125 goblets for RCB	
7,001 12,007,11 102	1000/1001	Storing straws and tubes
ACC-PLASCAN-118	Bloodbank set of 207 canisters and 5 levels for	
ACC-1 LACCAIV-110	RCB1001	
ACC-PLASCAN-119	Bloodbank set of 105 canisters and 6 levels for	
7,001 2,007,11 110	RCB600	
ACC-PLASCAN-5	Plastic canister with 6 levels for straws for RCB	
7,001 2,007,110	600/1001	
ACC-BOXTUBE-253	Cardboard case (set of 300)	
ACC-BOXTUBE-254	Cardboard case (set of 700)	
ACC-BOXTUBE-250	Cardboard case (set of 600)	
ACC-BOXTUBE-200	Aluminium case for Baxter 50 bags	
ACC-BOXTUBE-203	Half-aluminium half-plastic case for Baxter 50 bags	
ACC-BOXTUBE-204	Half-aluminium half-plastic case for DF200 bags	
ACC-BOXTUBE-205	Aluminium case for DF200 bags	
ACC-BOXTUBE-251	Cardboard case (set of 380)	Protecting bags
ACC-BOXTUBE-201	Aluminium case for Baxter 500 bags	
ACC-BOXTUBE-202	Half-aluminium half-plastic case for Baxter 500	
	bags	
ACC-BOXTUBE-252	Cardboard case (set of 300)	
ACC-BOXTUBE-206	Aluminium case for DF700 horizontal bags	
ACC-BOXTUBE-207	Half-aluminium half-plastic case for DF700	
AGG-BOATOBL-201	horizontal bags	

12. Disposal

12.1. Device

If you wish to dispose of your device, contact the relevant maintenance team who are responsible for its disposal.

12.1. Accessories

All waste caused by using the device (tubes, etc.) must be disposed of through the appropriate waste treatment channels.

If you have any questions, contact the maintenance team for your device.



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