



Cold storage of blood is crucial in light of continuing advancements in medical science. The value of blood and blood bank components coupled with stringent storage requirements make the Arctiko blood bank refrigerators a major component in facilitating management and reducing risk.

The importance of correct blood storage cannot be questioned today, with the medical industry investing millions of euro each year in laboratory procedures involving blood donation, testing, matching, preparation and so on. Many of the current medical practises around the world would not be possible without blood. Every collection, identification and transfusion of blood must follow a protocol, so that blood transfusion remains safe for patients, donors and medical technicians. If blood is not stored properly, all this effort and expense could be lost, which is why choosing Arctiko blood bank refrigerators is so important. Blood storage requires specially designed equipment to meet international standards.



Blood must be stored at a consistent and stable temperature for the best results. The well designed Arctiko blood bank refrigerators are the optimal choice. Features include uniform fan cooling that circulates the air around the stored blood. Polyurethane (CFC-free) insulation in cabinet walls together with double layer glass doors to reduce heat and promote temperature uniformity in the cabinets. Glass doors and open drawer design for easy access to and identification of blood, which reduces the time doors stand open. The Arctiko controller with state-of-the-art electronics to maintain temperature uniformity and stability. Standard features of the Arctiko controller include back-up battery, power failure alarms, high/low temperature alarms, probe failure alarm, instrument failure alarm, contact for remote alarm, integrated data logger with memory for 30+ years, interface RS 485/232 and USB read out/download. In addition, Arctiko has added additional security in the form of a dual refrigeration system in the new range, so that temperature will be maintained even in the event of failure, until service can be provided.

The recommended temperatures:

• Whole blood and liquid red cells	2°C to 6°C
• Frozen Plasma	-30°C
• Red blood cells frozen in 40% glycerol	-65°C



Expiration dates:

• Whole blood in acid citrate solution	21 days
• Whole blood in citrate phosphate dextrose adenine solution	35 days
• Whole blood in heparin	48 hours
• Red blood cells	Same as appropriate for the whole blood from which cells were taken
• Frozen red blood cells	10 years
• Leukocyte-reduced red blood cells	Same as appropriate for the whole blood from which cells were taken
• Fresh frozen plasma	12 months

We disclaim responsibility for the accuracy of the above tables.

As a conclusion, you can see it is very important to store blood in the correct manner, both for the health of the community and also to avoid wasting precious resources of life. Therefore, it is important to invest in the correct quality equipment also to meet the established regulation standards. Arctiko quality equipment will reduce the frequency of costly downtime situations. Arctiko sales teams are always ready to help you make the right choice of Arctiko blood bank equipment.



Chart recorder



Arctiko G214 Controller
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LED lights



Key lock on door



Stainless steel
drawer



Reference container
for temperature

Available
with stainless
steel exterior

MDD
93/42/EEC
CE 0470
class IIa

Under
counter
model



BBR 100

BBR 300

BBR 500

BBR 1400

The Arctiko BBR range is a perfect combination of unique temperature uniformity and reliable technology. The BBR models come with advanced controller, integrated non-manipulative data logger with USB read-out and chart recorder as standard.

Features on BBR range

- Medical device approved
- Stainless steel interior
- White exterior
- Automatic door closing and key lock
- Air forced cooling
- Telescopic drawers
- Right hand hinged reversible door
- Castors
- Temperature chart recorder
- Key lock on door

ISO
13485:2003
Medical
device

Model	BBR 100	BBR 300	BBR 500	BBR 700	BBR 1400
Item code	DAI 1110	DAI 1115	DAI 1120	DAI 1125	DAI 1130
Dimensions exterior WxDxH (mm)	610x659x790	520x690x1997	620x860x1997	720x860x1997	1440x860x1997
Capacity (L)	94	352	523	628	1381
Temperature range (°C)	+4	+4	+4	+4	+4
Power supply (V)	230	230	230	230	230
Frequency (Hz)	50/60	50/60	50/60	50/60	50/60
Max. quantity of blood bags with standard no. of drawers	72	160	240	300	600
Max. quantity of blood bags with max. no. of drawers	72	256	384	480	960

We reserve the right to change the specifications without notice. Subject to confirmation, availability and errors.



Chart recorder



Arctiko G214 Controller
Read page 4-5



LED lights



Key lock on door

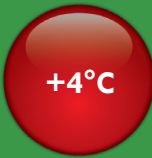


Stainless steel
drawer



Reference container
for temperature

Available
with stainless
steel exterior



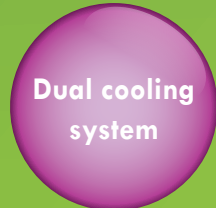
Dual refrigeration with two separate and independent cooling systems in combination with the advanced Arctiko controller provide extreme security where needed. All important controller features such as data logger and alarms are included as standard. If one cooling system should fail, the refrigerator will still operate at the set temperature until service is provided.

Features on BBR-D range

- Medical device approved
- Dual refrigeration system
- Stainless steel interior
- White exterior
- Automatic door closing and key lock
- Air forced cooling
- Telescopic drawers
- Right hand hinged reversible door
- Castors
- Temperature chart recorder
- Key lock on door



Arctiko G214 Controller
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BBR 100-D



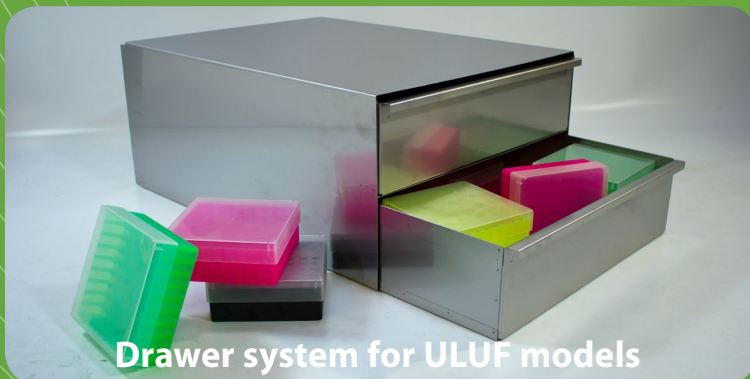
BBR 500-D



BBR 1400-D

Model	BBR 100-D	BBR 300-D	BBR 500-D	BBR 700-D	BBR 1400-D
Item code	DAI 1135	DAI 1140	DAI 1145	DAI 1150	DAI 1155
Dimensions exterior WxDxH (mm)	610x659x790	520x700x1997	620x860x1997	720x860x1997	1440x860x1997
Capacity (L)	94	352	523	628	1381
Temperature range (°C)	+4	+4	+4	+4	+4
Power supply (V)	230	230	230	230	230
Frequency (Hz)	50/60	50/60	50/60	50/60	50/60
Max. quantity of blood bags	72	160	240	300	600
Max. quantity of blood bags with max. no. of drawers	72	256	384	480	960

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Drawer system for ULUF models

Drawer system

The new Arctiko multi-purpose drawer system is a great way to keep your samples in order. Designed for easy access and overview, the system also makes it easy to divide up the freezer for several users. The drawer system can be used in our ULUF range.

CO₂ / LN₂ Backup

A number of Arctiko products can be supplemented by a CO₂/LN₂ backup system for optimized safety. The backup system is supplied with a heavy-duty internal battery injection indicator and digital display with alarm functions. It injects CO₂/LN₂ in the event that the temperature inside a freezer rises above a preset temperature value.



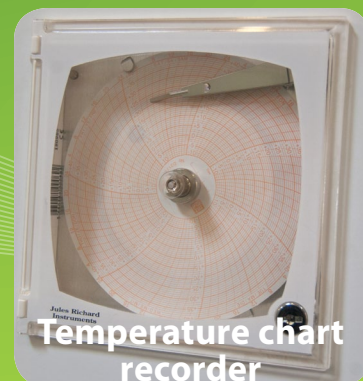
CO₂ / LN₂ Backup



Cryo gloves

Cryo gloves

Our water resistant cryo gloves protect your hands and prevent frostbite while you are handling frozen products in ultra-cold environments down to -160°C. The gloves have multi layers of insulation from finger tip to mid-forearm, and can also be used in very high temperatures up to 123°C. Available in different models and sizes.



Temperature chart recorder

GSM alarm module

A GSM alarm module can be connected to the majority of our products. The module sends a text message to one or several coded telephone numbers in the event that the temperature of the freezer exceeds the fixed range. A simple, effective and reliable alternative that provides increased safety, the GSM alarm can be connected to a group of freezers if needed.



GSM alarm module

Temperature chart recorder

A chart recorder is the optimal solution for documenting temperature conditions over a certain period of time. A replaceable pen continuously documents the temperature on a chart that circulates on either a 7- day or 24-hour basis. The chart recorder can be built in as an option in many Arctiko products.