Operation Manual

BTBT- 100

BIOSAFETY TRANSPORT BOX

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01 Precautions

1. Important safety operation information

The user needs to have a complete understanding of how the instrument is used before safely operating the instrument. Before operating the instrument, please read this manual carefully.

2. Security

Please read this operation manual carefully before operating this instrument, otherwise it may cause personal injury.

2.1 Before using the refrigerator, carefully check whether the package body is damaged, holes, and fasteners are damaged, to ensure that the refrigerator and blood transport box are tightly sealed;
2.2 During use, the 95kpa biosafety transport tank and crystal ice box must be tightened to prevent leakage and pollution;
2.3 Do not fill the crystal ice box with more than 80% water, shake it slowly to dissolve the ice crystal powder, and the ice box can be used repeatedly;
2.4 Separate the ice box filled with water and place it in a cold storage or freezer flatly. Since the volume of the ice box will expand slightly after being frozen, proper space should be reserved;

3. Disinfection

3.1 Spray and wipe the surface of external container and refrigeration module with alcohol before use.
3.2 In view of the safety principle, it is recommended that the 95 kpa sample transport tank, sponge tube holder and circular adsorption pad be used for one-time use, or be carefully wiped and sterilized with alcohol for re-use. The circular adsorption pad is a disposable consumable and cannot be reused.

02 Instructions for use

1.Features

◆Real-time temperature value display
◆Cooling and temperature control to ensure sample consistency
◆Easy to operate and can be used repeatedly
◆Not restricted by aviation, can be transported by air
◆Meet the basic requirements for cold chain transportation and storage of vaccines

2.Specific instructions

1. Before using the refrigerator, carefully check whether the package body is damaged, broken, or the fastener is damaged, to ensure that the refrigerator and blood transport box are tightly sealed;
2. Fill the crystal storage ice box in advance with distilled water (not more than 70%, preferably distilled water, followed by pure water, tap water), put it in the refrigerator and freeze it. It is recommended to place the ice box horizontally.
3. After obtaining the virus sample, unscrew the 95 kPa sample transport tank, take out the sponge test tube bracket, and insert all the virus sample test tubes into the sponge test tube bracket;
4. To ensure the viability of the strain, please put the sponge test tube holder filled with virus samples back into the 95 kPa sample transport tank in time. At the same time, make sure that the circular adsorption pad is under the test tube holder and tighten the 95 kPa sample for transportation. The cans and the refrigerated refrigeration devices are taken out of the refrigerator and put into the box together, and the outer packing box is covered.
5. This biological safety transport box is a reusable transport box. After the transportation is completed, it must be disinfected for the next use.
6. If the insulation effect is not satisfactory, please increase the number of ice boxes.
7. Transport box should be placed in a cool and dry place, avoid long-term exposure to the sun, avoid long-term radiation near other high temperature heat source, to prevent the deterioration of plastic.

03 Warranty commitment

1. The warranty period is twelve months from the date of purchase (excluding wearing parts).
2. If the instrument and equipment during the warranty period become invalid or damaged due to improper use by the user, the company will not assume the warranty obligation.
3. One year later, in the spirit of serving users, we will try our best to provide convenience to users.

Warranty service is not suitable for:

1. The contents are inconsistent with the commodity marks or altered;
2. Periodic inspection, maintenance, repair or replacement of parts caused by wear and tear;
3. Damage caused by disassembly without permission of the manufacturer;
4. Damage caused by failure to use, maintain or maintain the product according to the requirements of the product manual;
5. Damage caused by extrusion, soaking, dampness or falling;
6. Damage caused by force majeure such as flood, fire and lightning strike;
7. Use accessories not provided by our company.

04 Technical Parameters

Model	**BTBT-101**	**BTBT-102**	**BTBT-103**	**BTBT-104**	**BTBT-105**
Outside size	330*235*275mm	335*225*205mm	425*262*305mm	425*262*305mm	450*330*300mm
Internal dimensions	240*145*180mm	295*167*168mm	325*170*225mm	363*203*244mm	380*245*230mm
Internal volume	6L	8L	12L	15L	20L
Material	PP+PU	PP+EPS	PP+PU	PP+EPS	PP+PU
Number of specimens	Can hold 20 servings at a time	Can hold 40 servings at a time	Can hold 40 servings at a time	Can hold 40 servings at a time	Can hold 80servings at a time
Model	**BTBT-106**	**BTBT-107**	**BTBT-108**	**BTBT-109**	-
Outside size	570*320*365mm	640*395*395mm	620*485*375mm	640*520*375mm	-
Internal dimensions	480*270*265mm	590*335*320mm	540*425*315mm	580*465*320mm	-
Internal volume	33L	55L	65L	85L	-
Material	PP+PU	PP+PU	PP+PU	PP+PU	-
Number of specimens	Can hold100 servings at a time	Can hold 160 servings at a time	Can hold 240servings at a time	Can hold 400servings at a time	-
Scope of application	It can be used for the transportation of biological products that require physical insulation, such as UN2814, UN2900, UN3373 biological specimens, pathogenic microorganisms (toxin) species, blood, etc.				
Ice source material	Polyethylene high-efficiency cold source, strong and safe, no irritation to the skin				
Holding time	The outside temperature is below +43℃, and the inside temperature of 2-8℃ can be maintained for 24 hours				
Inspection report certificate	National Packaging Product Quality Supervision and Inspection Center Inspection Report				
Manufacturer	BIOLAB SCIENTIFIC LIMITED				

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