# 1 # Insulated Box (-18℃) operating instruction

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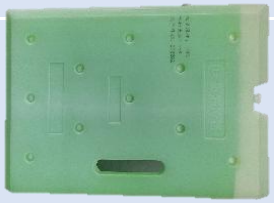
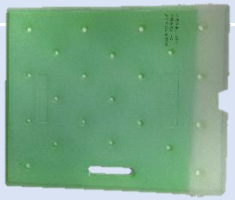
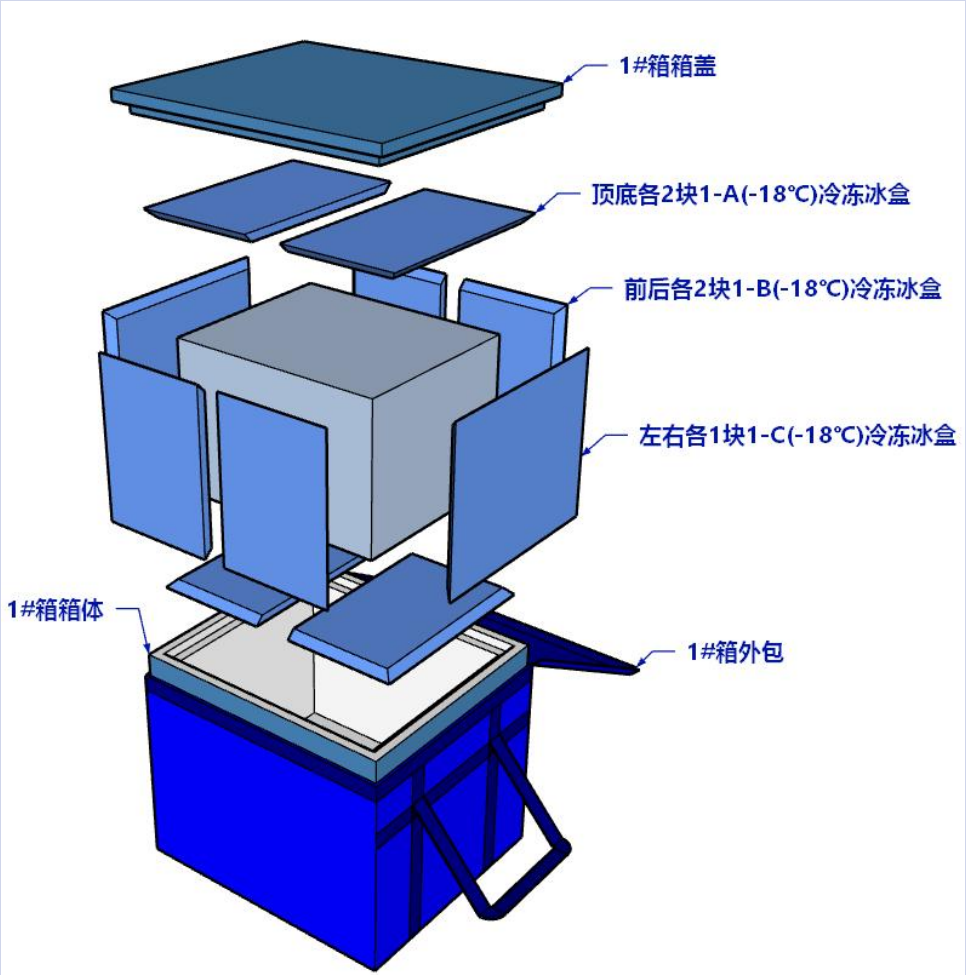
# 1 # Insulated Box (-18℃) configuration table

| Configure the name | configuring | Adaptation area |
| --- | --- | --- |
| Year-round configuration | annual | nationwide |

# 1 # Insulated Box (-18℃) assembly

| name | specifications /mm | | quantity | graphic |
|---|---|---|---|---|
| **1 # Thermal insulation box** | efficient loading | 640×540×440 | 1 |  |
| | Box inner diameter | 700×600×500 | | |
| | Box body outer diameter | 820×720×620 | | |
| | The overall packaging | 840×740×640 | | |
| **1-A(-18℃)** | 580×340×25 | | 4 |  |
| **1-B(-18℃)** | 480×335×25 | | 4 |  |
| **1-C(-18℃)** | 580×480×25 | | 2 |  |

# 1 # Insulated Box (-18℃) instructions —— year configuration

| Year-round configuration | operate |
|---|---|
|  | **1, the ice box pretreatment**<br>Pretreat 41-A (-18℃), 41-B (-18℃) and 21-C (-18℃) ice boxes in-35 ± 5℃ environment for at least 72 hours to ensure that all the ice boxes are frozen;<br>**Ice box release cold**<br>-15~ -25℃ Scheme:<br>1) If the ice box is pre-cooled in-20~ -25℃ environment without cooling, it shall be packed directly;<br>2) If the ice box is frozen and pre-cooled in the environment below-25~ - |

| ambient temperature | 10～20℃ | 21～30℃ |
|---|---|---|
| Release cold time | For 30 to 20 min | For 20 to 10 min |

remarks:
1) In the process of cooling, track the surface temperature of the ice box. When the surface temperature of the ice box reaches-22~ -25 degrees, the packaging can start
The test method is to stack two ice boxes, and measure the middle temperature of two overlapping ice boxes. After the temperature is measured, if you need to continue to be cooled, the ice boxes need to continue to be separated and tiled;
2) The specific cooling time depends on the actual situation, and there will be a little difference in different cooling environment;
3) See the attachment for the detailed operation instructions

As shown in the left picture: in-15-15-25℃ environment, place 21-A (-18℃) frozen ice boxes side by side in the bottom of the 1 # insulation box, then place the product box on the ice box, and place 21-B (-18℃) frozen ice box side by side before and after the product box and 11-C) 1-C (-18℃) frozen ice box side by side on the top of the product box, sealed and sealed for

# Attached 1:1 # Insulated Box (-18℃) use instructions —— ice box pretreatment instructions

| | | |
|---|---|---|
| **Ice box frozen Preprocessing instructions** | Ice box cold storage | Frozen ice boxes were frozen at-30 ± 5℃ for at least 72 hours (lower freezing temperature is recommended) |
| | Ice box release cold | Pre-cooling is frozen below-25~ -35℃, and the ice box needs a short time of cooling before use. The relationship between cooling time and ambient temperature is as follows: 10~20℃, 30~20 minutes; 21~30℃, 20~10 minutes. The specific cooling time depends on the actual situation, and there will be a few different cooling environment (according to the actual cooling environment to formulate standard operation guidance).<br>(Ice box cooling way: ice box single flat cooling, also can release shelf cooling, ice box interval not less than 5cm, every 5 minutes tracking ice box surface temperature, test method is two pieces of ice box stack, the 2 pieces of the ice box in the middle of the temperature, temperature measurement after you need to continue cooling, ice box need to continue to separate, flat cooling)<br>If there is-20~ -25℃ ambient freezing pre-cooling without cooling, directly packing; |
| | Ice box status | 1. The ice box should be solid before use, and should not be used if there is liquid or no freezing phenomenon;<br>2. Packaging can start when the surface temperature of the ice box reaches-22~ -25 degrees; |
| | remarks | 1. If it is not used in time, the ice box storage agent appears liquid (the liquid level height exceeds 2cm under the standing state of the ice box), and it should return to-30 ± 5℃ freezing environment for pre-cooling;<br>2. It is recommended to lie flat in the ice box to reduce the swelling of the ice box; the ice box can also be frozen in the whole box (the swelling of the whole box can also reduce the precooling time (the specific time shall be based on the actual freezing situation), the warehouse is recommended to be frozen for a week, and the status of the ice box must be checked before use); |