

Thermostable Cell Transporter, K type 20

Cat. No. PMC-TCT-K20-COS

Updated on Apr/28/2016

Please read this instruction carefully before use.

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【 I 】 Product Specification

- Foamed polystyrene container type K (internal dimensions: 190 × 250 × 75 mm)
- Thermal storage materials for 20°C (1 × 1 kg and 3 × 480 g)
- Bag (395 x 310 x 250 mm)

【 II 】 Preheating or Precooling

The thermal storage material need to be either preheated or precooled for more than two days before use depending on the the average ambient temperature on transportation.

- When the mean temperature outside is below 20°C : Preheat at 23°C to 30°C .
(State of materials would be transparent jelly)
- When the temperature is above 20°C : Precool at 10 to 17°C (Tap water may be suitable temperature).
(State of materials would be white solid)

※ **Do NOT put each thermal storage material together when preheating or precooling. Heat wouldn't spread inside the materials enough if piled and stuck together.**

【 III 】 How to Pack

1. Preheat or precool the thermal storage materials (1 × 1 kg and 3 × 480 g).
2. Remove fixed boards of foamed polystyrene container and put 1 kg thermal storage material in (Fig. 1).
3. Place the fixed boards again and fix two of 480 g thermal storage materials both sides into the foamed polystyrene container (Fig. 2).
4. Place tubes and bottles. Put something like papers between samples and thermal storage materials

Fig. 1



Fig. 2



fixed boards

Fig. 3



papers

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not to touch directly each other (Fig. 3).

5. Put 480 g thermal storage material on the samples (Fig. 4). Fill gaps by bubble wraps or gauze if necessary (Fig. 5). Do not put too much cushioning as it may disturb enough sealing of lid.
6. Fix the lid of bag by velcro tape (Fig. 6).
7. The bag after sealed properly can be transported at room temperature.

Fig. 4



Fig. 5



Cushioning

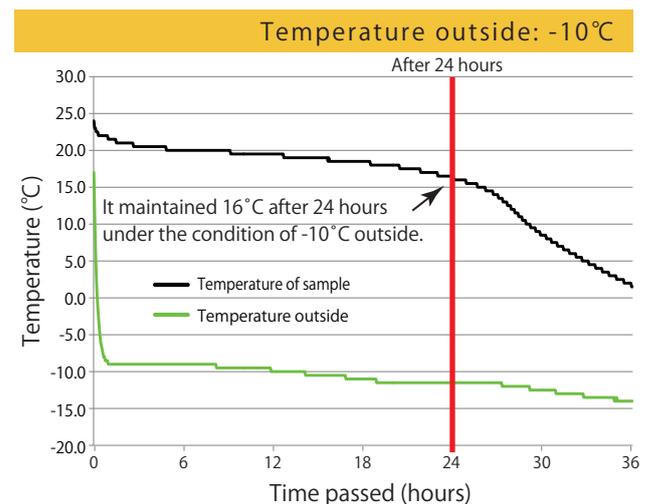
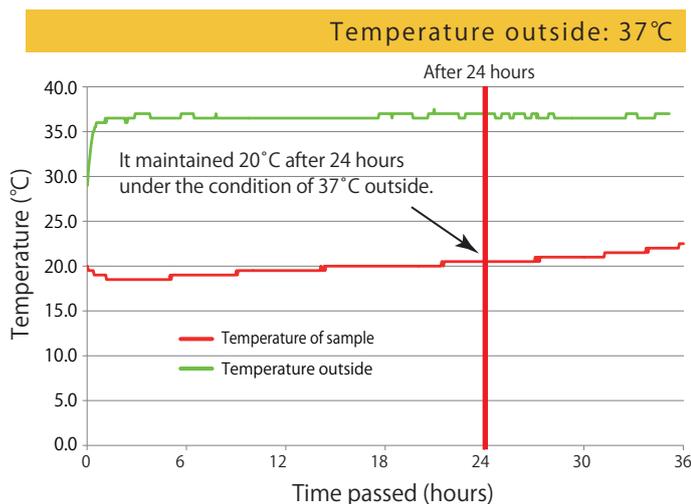
Fig. 6



【IV】 Cautions

1. As foamed polystyrene container and lid are consumables, they need to be changed to new ones when sealing of lid became weak by using many times.
2. Accuracy of temperature falls in fierce heat, severe cold or unusual conditions like inside cars. Be careful about the environment of the bag placed.

【V】 Temperature data using this bag



COSMO BIO Co., LTD.

TOYO EKIMAE BLDG. 2-20, TOYO 2-CHOME,
KOTO-KU, TOKYO 135-0016, JAPAN
TEL : (81)3-5632-9617
FAX : (81)3-5632-9618
e-mail : export@cosmobio.co.jp
URL : www.cosmobio.com

