

Product Name:	Program Cooling Box
Product Application:	The Program Cooling Box can be used for programmed cooling of many cell types including stem cells, primary cells, cell lines and yeast prior to cryopreservation in liquid nitrogen. It is a very good device for all protocols of cell preservation.
Product Materials:	/
product Specifications:	Temperature range: stored at room temperature Shelf life: 5 Years after date of production (ensure package is in good)
Sterilization:	No
BSE/TSE:	These products are deemed animal free.
Performance Testing:	Each manufacturing lot is sampled and tested in accordance with standard operating procedures. Appearance inspection: pass Packaging inspection: pass
Features	1. The product is symmetrically designed with a combination of foam and alloy, with no additive or emissions characteristics. These products are environmentally friendly. 2. No need to add any liquid or pre-cooling, simply put your samples directly into the Program Cooling box and keep all your samples in -80℃ freezer. The cooling begins at the rate of -1℃ per minute. 3. Cooling rate consistency is very good. Freeze an individual experiment or a full load, the cooling rate on each sample is the same every time. 3. It promotes a greater survival rate of cells after thawing and helps to keep samples safe and worry-free. 4. Easy-open lid, and you can hold the Program Cooling box directly from the -80℃ freezer without any concern of frostbite to your fingers. 5. Transfer the samples conveniently, you can remove the whole box or an individual sample at any time. 6. No maintenance costs, no need to replace anything, the one-time purchase will be a long-term usage. 7. Reuse time is short, just 5minutes apart. 8. The impact inside the low-temperature refrigerator is very small and does not require a specific free space.

Product Range

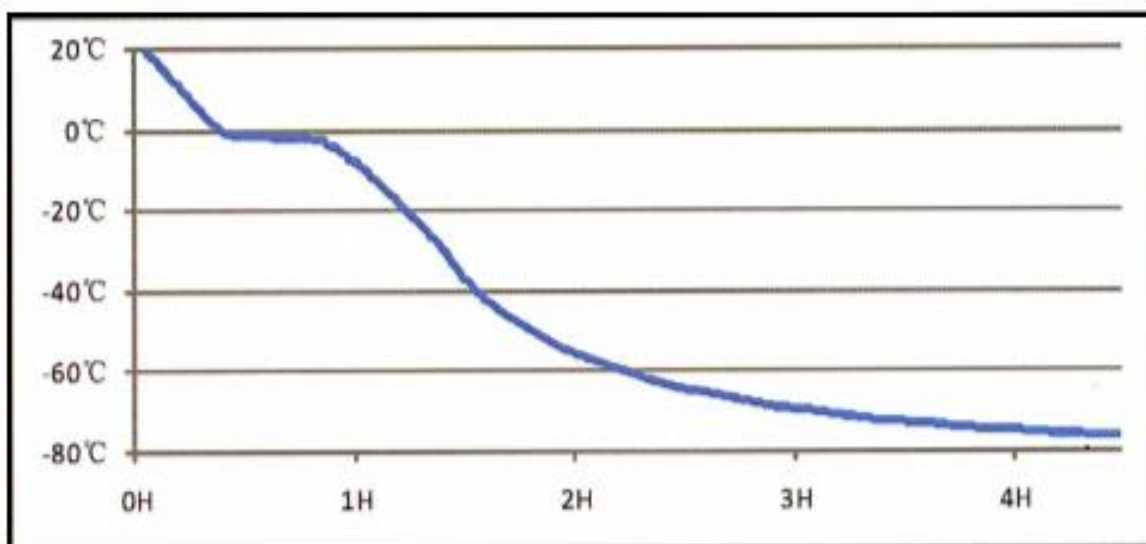
Cat. No.	Name	Size(mm)	Weight(g)	Application
200101	hexagonal program cooling box	S108*100 (S: square size)	120	1ml/2ml refrigerating tube or centrifugal tube can be placed(φ12-13)
200102	square program cooling box	117*117*100	160	

Instructions for use

Directly put the sample to be frozen into the tray inside the Program Cooling box and apply the lid. The Program Cooling box must be placed in -80℃ freezer for at least 3 hours, do not open during the cooling period. After the cooling process is complete, the sample can be removed and transferred to a liquid nitrogen tank for long term storage. If you need to reuse the Program Cooling box quickly, simply open the lid and remove the tray, let them both return to room temperature, then you are ready to use it again.

Caution: If the Program Cooling has water on its surface (inside or outside the box) and it is placed in -80℃ freezer, the water on its surface will freeze the surfaces together.

Opening a box frozen in this way may damage the Program Cooling. Always use the Program Cooling in a dry environment. Wipe any water or liquids from the surface before placing in freezer.

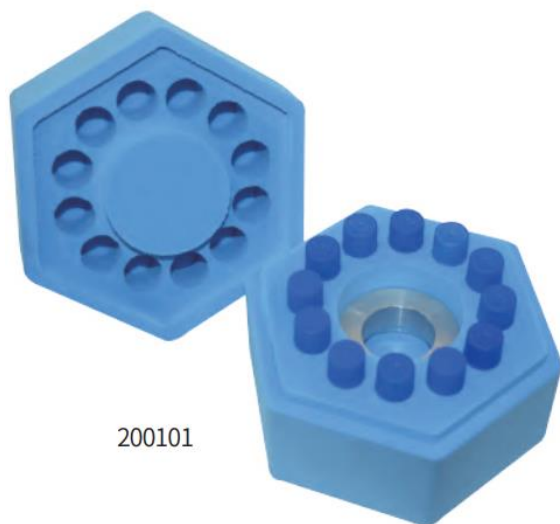
Cooling schematic diagram

FreezeCell performance test

Head Office No. 530, Xida Road, Meicun Industrial Park, Xinwu District, Wuxi, Jiangsu, China
Tel: +86+ 510-6800 6788 Email: info@nest-wuxi.com
Online: www.cell-nest.com

Oversea NEST USA (New Jersey/ Phoenix)
NEST scientific 株式会社 (Yokohama, Japan)
NEST Scientific Europe B.V (Netherlands)
Nest Scientific (MENA) FZE (Sharjah, United Arab Emirates)

Product picture:



200101



200102

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