



# Non-Electrical Cooler ECO-COOL™

The ECO COOL™ is a cooler that is used to keep samples at low temperature without electricity and crushed ice. The cooler consists of hard plastic insulated container, aluminum tube block, cooling core. All components are assembled as one combined item. Freezing entire container in -20°C common refrigerator for more than 6 hours makes it ready to use. It is widely used in the fields of **PCR test, Diagnostics, Veterinary, Various Biological research.**

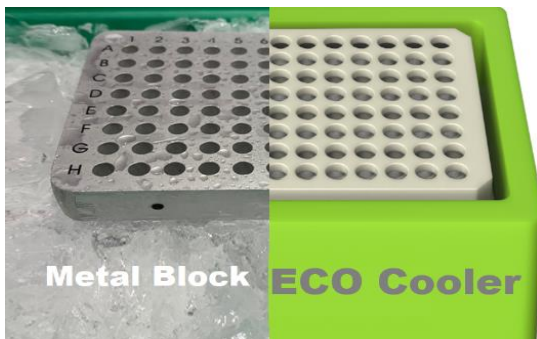


- ✓ **No electricity & No ICE**
- ✓ **Very Compact and Light Weight**
- ✓ **Condensation Free Structure**
- ✓ **Built-in Aluminum Block**
- ✓ **Built-in Cooling Core(Refrigerant)**
- ✓ **Durable Design of ABS Plastic**
- ✓ **Semi Permanently Reusable**

Cat No.	Block Types	Cooling Duration	
		~4°C	4 ~ 8°C
ECB-0296	0.1 or 0.2ml Tube x 96 holes	210 minutes	300 minutes
ECB-1540	1.5ml or 2.0ml Tube x 40 holes	180 minutes	300 minutes
ECB-15012	5ml or 15ml Tube x 12 holes	60 minutes	150 minutes
ECB-50006	50ml Tube x 6 holes	75 minutes	160 minutes

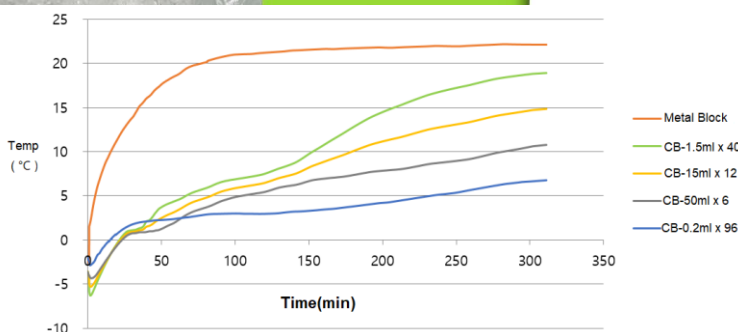
\*Test condition at 25°C room temperature / open condition with no lid

\*\*For above performance, Freeze the container in -20°C refrigerator for more than 6 hours



## Effective Cooling & Condensation Proof

Its hard plastic container is insulated and contained with refrigerant at the bottom. The Aluminum block is tightly fixed above refrigerant. Such tight contact of two core parts offers effectively fast cooling distribution to samples. Aluminum block is covered with hard plastic to minimize exposure to outside temperature and it minimizes condensation almost perfectly. Condensation is a risk of contamination and disturb users to handle the tube cleanly.



## Temperature Indicator

(Basically included in all coolers)

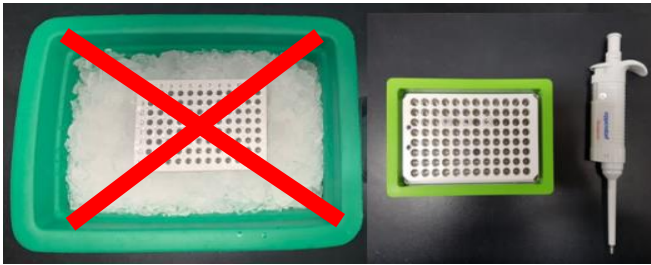
- 0~5°C
- 5~10°C
- 10°C~RT



# ECO-COOL™

## The ICE Free Cooler

ICE Free & Compact Size



- ✓ No ICE, No ICE Maker needed
- ✓ Compact & Cordless for easy positioning & carrying
- ✓ Ideal for Main and Back-up
- ✓ Cost Saving & Space Saving

### Specification

Cat.No- ECB-0296



0.2ml Tube x 96holes  
149 x 107 x 71mm, 968g

ECB-1540



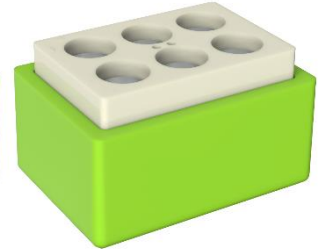
1.5ml Tube x 40holes  
149 x 107 x 71mm, 850g

ECB-15012



15ml Tube x 12holes  
149 x 107 x 96mm, 1.38kg

ECB-50006



50ml Tube x 6holes  
149 x 107 x 96mm, 1.19kg

\*All Dimension and Weight is for complete cooler including all parts like aluminum block, cooling core, block cover.

### Material Information

Part	Block Types
Container(Box of cooler)	ABS Plastic-(Matt Green)
Block	Aluminum(Silver)
Cooling Core	Refrigerant is filled in ABS Plastic Type of Refrigerant – Polyacrylate;Super Absorbent Polymer
Block Cover	ABS-Plastic(Matt White)

### Options & Customization

Lid / Digital Thermometer/  
Biological Sample(like Vaccine) Carrier



Customized  
Block



Adopter for  
Typical Well Plate



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