

# Constant Metal Cooler – Quick Guide

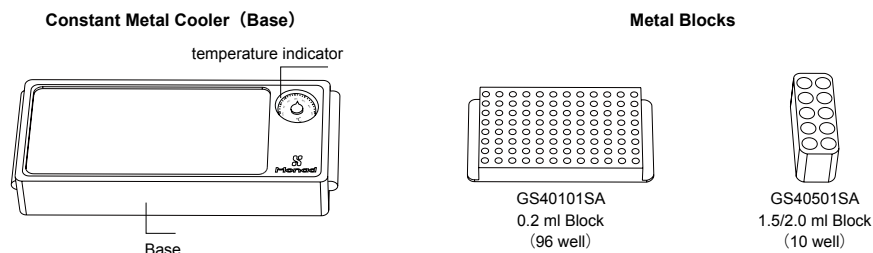
Version 3.0

|               |           |                   |                  |
|---------------|-----------|-------------------|------------------|
| Cat. No.      | GT20201SA | Color             | Macarons Blue    |
| Specification | 1/pk      | Storage Condition | Room Temperature |

## Description

Monad Constant Metal Cooler consists of two parts, the Base and the Metal Blocks. After freeze, the Base can provide a low temperature (0~8°C) environment for up to 2 hours, which helps maintaining the activity of samples and reagents during experimental set-up for better reliability and efficiency.

The Base is composed of aluminium alloy, the inner aqueous material with cold capacity, and the surface silicon rubber for protection and cold preservation. The Base is equipped with a temperature indicator. When the temperature indicator shows around 0°C, the Base temperature is stabilized. The accessory towel can be used to absorb condensate water.



## Instructions

1. Freeze the Base to -20°C. ( Which usually takes 5 hours, but mainly depends on the ambient temperature. Please remove the residual water on the surface before freezing.)
2. After freezing, please take out the Base from the freezer and place it on the towel. Then put the blocks into the groove on the top of the Base as needed, and then wait until the temperature reaches uniformity ( ~0°C ).
3. Keep watching the temperature indicator during usage, and make sure the temperature of the samples and reagents is properly maintained.

## Notes

1. Wait until the temperature of the Base reaches the required range before use. The reagents and samples may freeze if the temperature is too low.

2. The blocks do not need to be frozen before use. Just put the blocks directly into the groove of the top of the Base when using, and the blocks can cool down in seconds. Freezing the blocks may freeze the condensed water remaining in the holes and make fitting of the tubes/plates difficult.
3. Do not put the Base under the temperature beyond the range of the Temperature Indicator, Otherwise damage may occur.
4. Avoid dropping or falling off. The product may deform and leak if it falls off and hits the ground heavily.