

Features

- Detects temperature rise in freezer or refrigerator temp. zone and provides indication by a color change to red.
- Designed to be frozen before use and bent with supplied tool for activation.
- Simple activation even in a frozen environment.
- Easier to use than a data logger.

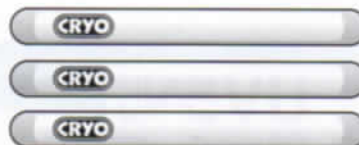


Form of packing

* An activation tool is attached.



OK



Overheated

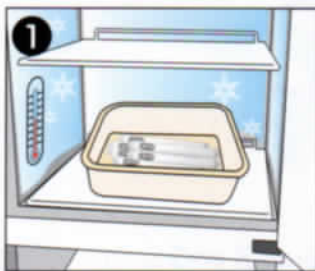


*CRYOMARK™ is judged "overheated" when more than half of the area inside the capsule turns red. Slight color-change to red right after the activation happens once in a while, which is not from overheat or rise of temperature.

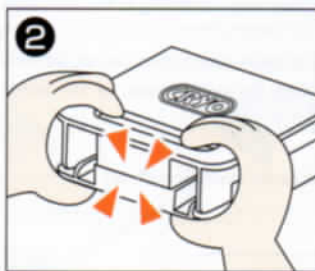
Type	Color-change temperature (°C)	Precool condition	Color change	Condition of color change	Size	JAN code	
CM-9	9	-18°C × 12 hours	White to Red	Within 1 hour at 11°C	75mm×7.5φ	4582130423301	
CM-3	3			Within 2 hours at 5°C		No change for 28 days at 4°C lower than the specified temperature	4582130423318
CM-M 4	-4			Within 1 hour at -2°C			4582130423325
CM-M10	-10	-40°C × 12 hours		Within 3 hours at -8°C	No change for 28 days at -19°C	4582130423332	
CM-M15	-15			Within 2 hours at -13°C		4582130423349	
CM-M20	-20			Within 1 hour at -19°C	No change for 28 days at -25°C	4582130423356	

50pcs./box

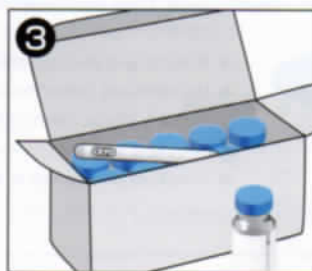
【How to use】



1. Remove CRYOMARK™ from bag and precool at designated temperature and time (-18°C for at least 12 hours/-40°C for at least 12 hours)



2. Use supplied tool to bend CRYOMARK™.



3. Place CRYOMARK™ near product whose temperature is to be monitored.

Precaution for use

- To activate the CRYOMARK™ temperature indicator, use always the dedicated activation tool. If you activate CRYOMARK™ with a different procedure, it may not function normally.
- Please use this tool at the designated temperature ranges (-40°C to 40°C) at ordinary pressure.
- Please do not disassemble products to take contents.
- Please do not repeat freeze/thaw cycles. The indicator may be unintentionally activated.
- CRYOMARK™ which has already changed color may be discolored by the effect of temperature and UV-rays. The leakage may happen if the colored CRYOMARK™ is stored for a longer period at room temperature. Please dispose of it after the color change.
- CRYOMARK™ may not change color in a short-time temperature rise less than 1 hour.
- CRYOMARK™ may not be used in liquid such as antifreeze liquid, water, and oil, nor at certain conditions, such as in pressurized or depressurized area, a microwave oven, boiling water and fire.
- Unused products can change color if dropped off or get an impact.
- The color-change is tested under the test conditions of us. The color-change or no color-change of CRYOMARK™ do not provide any guarantees on the quality of the products which are packed in the same box.
- The expiry date is three years after production date.
- The validated period is 28 days after activation.