



# FreezeSafe Temperature Indicators

- Irreversible evidence of exposure to unacceptable temperature
- Enables easy accept/reject decision
- Aids in regulatory guidelines compliance
- Cost-effective solution for supply chain monitoring

Knowing the correct temperature has been maintained is critical to the cold chain. The FreezeSafe Temperature Indicator provides evidence if your product has experienced unacceptably low temperatures.

FreezeSafe temperature indicators provide accurate evidence of a below threshold temperature excursion.

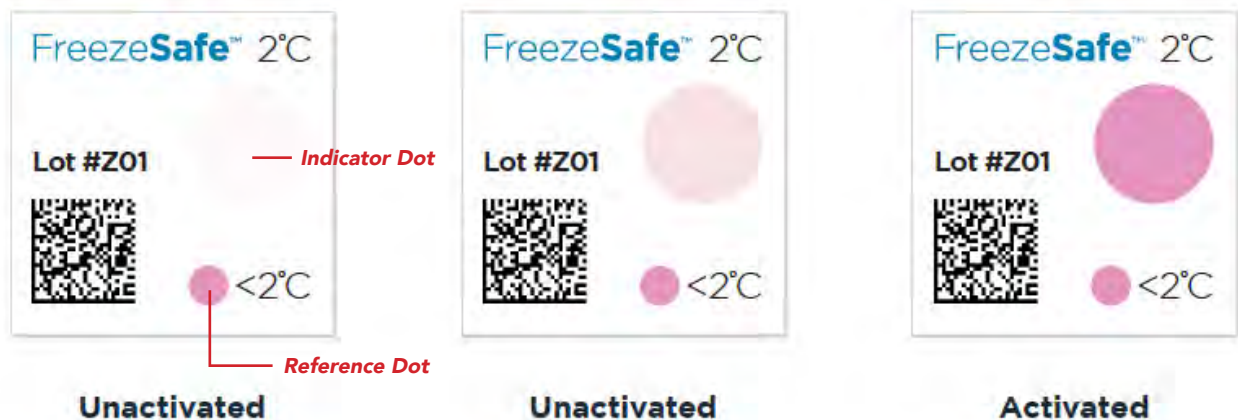
This cost-effective solution allows you to add an indicator to every shipment or mount the indicator directly onto the product.

The FreezeSafe turns from clear or from a light magenta prior to use to magenta when the temperature falls below its threshold.

Freeze exposure beyond the time and temperature specification is shown when the indicator dot is as dark, or darker, than the reference dot.

A visual check of the indicator alerts the recipient if the temperature has been unacceptably cold.

With these indicators, you can make smarter decisions across your cold chain.



## The FreezeSafe Difference

**Easier** | Designed for seamless integration into existing packaging with no pre-activation required

**Worry-Free** | Thin, flat, profile for reduced tear off & snagging in transit

**Quick To Read** | Visually identify temperature breach via color change from any angle

**Reliable** | Adheres to irregularly shaped or small objects

**Smarter** | New technology results in more cost-effective temperature monitoring

**Visible** | Each indicator is serialised for lot traceability



Specifications

Temperature Threshold	0°C, 2°C and 5°C	
Shelf Life	2 years	
Time Delay at Activation	<b>At 1 year</b>	<b>At 2 years</b>
	Within 30 minutes (0°C) Within 90 minutes (2°C) Within 120 minutes (5°C)	Within 120 minutes (0°C) Within 120 minutes (2°C) Within 120 minutes (5°C)
Accuracy	1 Year: ±1°C (±2°F)	2 years: +1°C / -2°C . 5°C is -2.5°C on the low-end tolerance
Size	21 x 21 mm	
Visual Indication	Clear to Magenta	
Storage	Store unused product away from direct light between 15°C and 25°C	

