

Timestrip[®] Virus Specimen Transport - 53° C

Product Spec Sheet



Timestrip[®] VST 53° C (VST-TEMP-53)

Timestrip[®] VST (Virus Specimen Transport) series has been specially formulated to provide an adequate quality control resolution for proper transport/storage of clinical viral specimens.

According to FDA & WHO regulations, Coronavirus specimens may be stored/transported/chilled between (2-8°C) for up to 72 hours after collection. In addition, virology specimen collection guidelines state similarly that “most viruses remain stable at 4°C for 2-3 days.”

However, although viruses are highly stable at chilled temps, it was reported that when exposed to temperatures above 50-55°C Coronavirus specimens become non-infectious within short timeframe (hours).

Timestrip VST 53 °C was developed to follow the required extreme hot Temp limitations. When exposed to hot temps, ascending above 53°C, the indicator will track the thermal exposure and indicates the time of abuse, corresponding to reported virus’s stability periods at these temps.



Instructions for Use

After collection and insertion of a clinical specimen inside adequate packaging, VST 53° C can be integrated simply, quickly, and safely within few seconds.

1. Hold VST 53° C indicator in your hand.
2. Peel off the liner from the back of the indicator and firmly adhere the VST 53° C label to the packaged clinical specimen. Ensure full adhesion to the specimen packaging.

Monitoring has begun.

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THRESHOLD TEMP	STOP TEMP*	RUN-OUT WINDOW**
+53°C/+127°F	+50°C/+122°F	2 Hours
* The temperature at which the run-time advancement (the movement of the blue dye) will stop.		
** The run-out window starts at 1/2 hrs and ends at 2 hrs. The run-out window is calibrated to an isothermal temperature of +2°C above the stated/printed threshold temperature.		



PERFORMANCE SPECIFICATIONS	
Temperature Accuracy	± 1.5°C/2.7°F
Time Accuracy	± 15 % in time under isothermal conditions
Display	Continuous, irreversible
Usage	The product is already active and squeezing the button is not necessary. A blue line is visible in the activation (small) window.

PRODUCT SPECIFICATIONS	
Activation Button Position	Button on Bottom (BOB)
Color of Progressing Front	Blue
Adhesive	#5464, Pressure sensitive, -40°C - +100°C, PE Double Sided Foam Tape
Other	Not suitable for immersion in water
Remark	Run-time window length will vary slightly between production batches.

Product Construction

The indicator is constructed of polymeric assembly multilayer and aluminium-plastic laminate. It encapsulates powder tablet colored chemical.

- Maximum weight of colorant is <0.5 mg.
- Manufactured under cGMP for food facilities and conforms to HACCP principals. Intended for use in manufacturing food and/or designated Generally Recognized As Safe (GRAS).
- All materials are non-toxic, latex, silicon and PVC free.

Storage Conditions (Unactivated)

Store indoors, at room temperature up to 30°C.

Shelf Life

2 Years – an expiration date is stated on each pack.

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