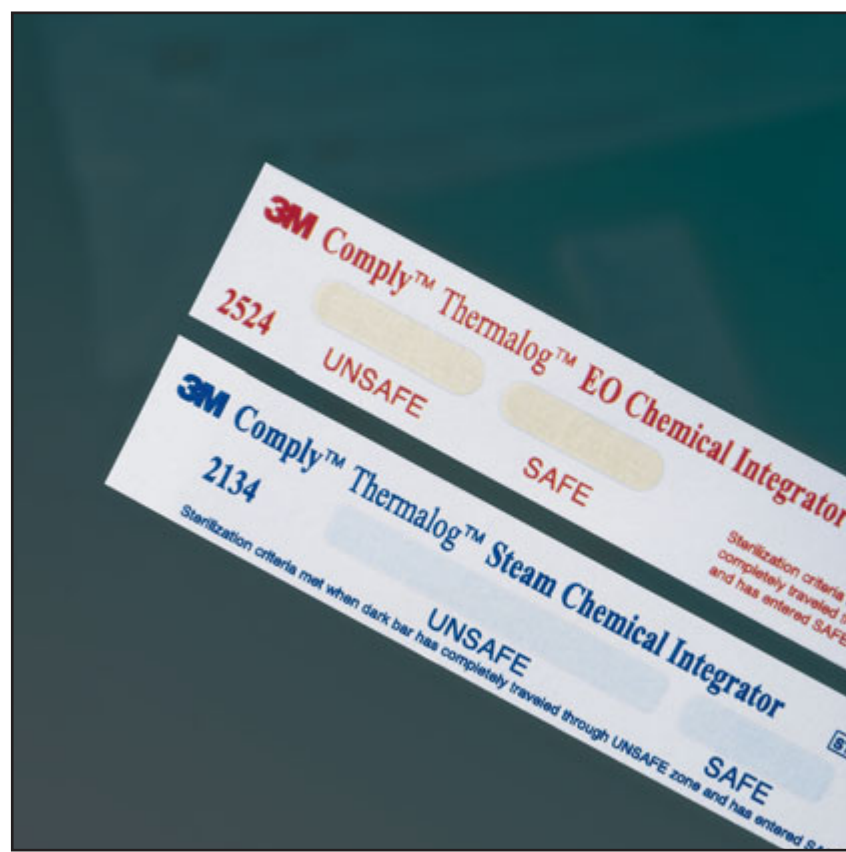


3M™ Comply™ Thermalog™ Chemical Integrators



1

3M™ Comply™ Thermalog™ Chemical Integrators

Immediate pack-to-pack sterilization assurance.

Providing the highest level of sterilization assurance on a pack-to-pack basis, 3M™ Comply™ Thermalog™ Chemical Integrators show whether each pack has been exposed to the conditions necessary for sterilization to occur. Comply Thermalog chemical integrators immediately detect individual pack failures resulting from equipment malfunction or human error in packing, loading or operation. That's why organizations such as AAMI and AORN recognize the importance of pack-to-pack monitoring.

Comply Thermalog integrators provide precise results by integrating changes in all critical sterilization parameters before indicating a "SAFE" result. More accurate—and easier to interpret—than color-change strips, Comply Thermalog integrators in packs, trays, containers and peel pouches assure you that all critical parameters have been met for steam or EO sterilization processing.



- **“SAFE” or “UNSAFE” at a glance**

Inadequate exposure to any one of the critical sterilization parameters results in an immediate easy-to-interpret “UNSAFE” readout. Field tests show higher reading accuracy with moving-front style integrators than color-change strips.

- **Maximize cost-effective efficiencies**

Accurate results prevent nonsterile instruments from entering the sterile field, helping prevent costly patient infections. Plus, integrators work at all normal sterilization temperatures, so there's no need for multiple inventories.

- **Safe and compatible with all packs**

Safe, non-toxic chemicals are sealed within the integrators, so there's no worry of contamination or transfer to sterile items. Convenient, small sizes fit in all packs. Comply Thermalog integrators are available with attached extenders for easy retrieval from the inside of packs.

- **Minimize recalls and reprocessing**

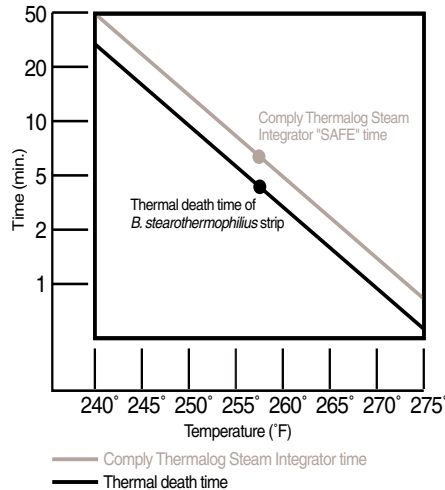
The ability to single out individual pack problems means faster identification of failures and fewer recalls. That helps you streamline distribution and increase your department's credibility. When the results of the biological indicator in the load are negative, but a Comply Thermalog integrator inside a specific pack indicates “UNSAFE”, only that specific pack must be reprocessed.

- **Complies with standards**

Complies with EN-867-1 (Class D Multi-Variable Indicator) and ANSI/AAMI ST60 and ISO 11140-1 Standards (Class 5 Integrating Indicator).

3M™ Comply™ Thermalog™ Steam Chemical Integrator

The Comply Thermalog steam chemical integrator can accurately integrate small changes in all critical parameters across the entire normal sterilization range. With results that approximate those of biological indicators at specific time and temperatures, the Comply Thermalog chemical integrator shows proven accuracy in gravity, vacuum and flash sterilization cycles.



Accurately integrates all steam parameters:

- Time
- Temperature
- Steam penetration

The graph compares the Comply Thermalog steam chemical integrator with the performance of biological indicator spore strips (*Bacillus stearothermophilus*) in a steam BIER vessel. The performance of the Comply Thermalog integrator in the BIER vessel parallels the response of the biological indicator spore strip within the normal sterilization range. The graph represents sterilization cycle time only, exclusive of come-up or -down time.

3M™ Comply™ Thermalog™ EO Chemical Integrator

The Comply Thermalog EO chemical integrator is effective for cool and warm cycles of EO/HCFC gas mixture sterilizers. The table at right compares the Comply Thermalog EO chemical integrator with a live spore strip test using *Bacillus subtilis* under various conditions of time, temperature, relative humidity and ethylene oxide concentration.

COMPLY THERMALOG EO INTEGRATOR PERFORMANCE— EO STERILIZATION CONDITIONS					
	Standard Cycle	Insufficient Time	Low Concentration	Low Temperature	Low % of RH
Concentration	600	600	200	600	600
Percent RH	50	50	50	50	20
Temp. (°F)	130	130	130	100	130
Exposure Time (min)	90	20	60	60	60
Spore Strip Reading	Negative	Positive	Positive	Positive	Positive
Comply Integrator Reading	SAFE	UNSAFE	UNSAFE	UNSAFE	UNSAFE

Monitors all four EO sterilization parameters:

{ Ethylene oxide gas concentration | Relative humidity | Time | Temperature }

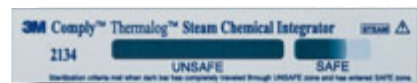
When the color bar moves anywhere into the "SAFE" area, all the critical parameters of steam or EO sterilization have been met. If the bar does not reach the "SAFE" area, the pack should be reprocessed and the cause of the sterilization failure should be investigated.

3M Comply Thermalog Steam Chemical Integrator 2134MM



6

Unprocessed



7

Processed (SAFE)



8

Processed (UNSAFE)

3M Comply Thermalog EO Chemical Integrator 2524MM



9

Unprocessed



10

Processed (SAFE)



11

Processed (UNSAFE)

Ordering Information

3M™ Comply™ Thermalog™ Steam Chemical Integrators

Steam Integrators; For use in 250°F/121°C and 270°F/132°C Gravity and Vacuum-assisted Steam Sterilization Processes

Cat No.	Ordering Description	Packaging	Shipping
2134MM	3M™ Comply™ Thermalog™ Steam Chemical Integrator	250 each/pack	8 packs/case
2163MM	3M™ Comply™ Thermalog™ Steam Chemical Integrator with Extender	1,000 each/pack	1 pack/case

3M™ Comply™ Thermalog™ EO Chemical Integrators

EO Integrators; For use in EO/HCFC Gas Mixture Sterilization Processes

Cat No.	Ordering Description	Packaging	Shipping
2524MM	3M™ Comply™ Thermalog™ EO Chemical Integrator	250 each/pack	8 packs/case
2553	3M™ Comply™ Thermalog™ EO Chemical Integrator with Extender	1,000 each/pack	1 pack/case

3M™ Comply™ Chemical Integrator Extenders

Cat No.	Ordering Description	Packaging	Shipping
1240E	Integrator Extender only (Non-assembled)	2,500 each/bag	2 bags/case



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