



Healthcare Sterilization Indicator Inks

Tempilink®
LA-CO Industries Inc.



Chemical indicator inks for sterilization

Tempilink® is carefully formulated for use in chemical Indicator systems. The inks are designed to react to specific sterilization conditions and irreversibly change from one color to a distinctly different color, providing visual evidence of exposure to a sterilization process.

Different grades of Tempilink have been developed for the common sterilization process. Available in both water and solvent-based formulations, Tempilink may be printed on most conventional medical packaging substrates including medical grade paper, vellum, Tyvek®, films, and crepe paper. Tempilink may be printed on pouches, reels, tape, strips, labels, and other products to comply with ISO 11140-1:2014 Standards for process indicators.*

Most commonly printed using flexographic processes, Tempilink is also available for gravure and serigraph (screen) printing applications. The inks are used in virtually any application where a permanent means of confirming the successful completion of a sterilization process is required.

Tempilink® is right for the job

Selecting Tempilink means you are selecting the best. We use our experience, and focus on quality and consistency to assure you receive the best product for your application.

Experience

Tempilink was the pioneer in establishing chemical indicator inks for sterilization applications over 50 years ago. Our team has over 100 years of development experience and leads the way in creating innovative products for the market.

Quality

When you use Tempilink, you are using the highest quality chemical indicator inks available for sterilization applications. From the selection of raw materials, to validation of the ink's performance, our quality standards ensure that only inks that meet the highest performance criteria become a Tempilink. With each new ink development great care is taken to ensure the ink's performance meets your expectations.

Consistency

Every batch of ink is tested against key manufacturing specifications and performance criteria. At LA-CO Industries, we make sure you are receiving the same product each time; the same quality, the same reliability. Using the same raw materials, maintaining and using the same processes, we are committed to providing you with the most consistent, high quality chemical indicator inks available.



*Note: The ISO 11140-1 standard governs the performance of chemical indicator systems. Inks are only one component along with substrates, printing, and processing. By themselves, inks cannot be compliant to this standard. It is incumbent on chemical indicator producers to validate compliance.

TYVEK® is a registered trademark of E. I. du Pont de Nemours and Company.

Providing assurance in a range of markets and applications

Use Tempilink for your customer applications requiring a visible means of confirming a completed sterilization process.

Sterilization is an ongoing activity at hospitals, medical facilities, and device manufacturers. Making sure an item is ready and safe is critical. Tempilink is a key component to medical sterilization packaging. The inks are key elements of products used in many institutions globally to help provide a quick visible check that a device is ready for use.

- Hospitals & Medical Facilities
- Veterinary Hospitals & Offices
- Dental Offices
- Tattoo Parlors
- Pharmaceutical Manufacturers
- Medical Device OEMs

Chemical indicator solutions

Tempilink offers diverse indication solutions to accommodate your customers needs.

- Pouches
- Tape
- Bags
- Reels
- Labels
- Tags
- Strips



Tempilink® is the leader in chemical indicator inks for medical sterilization processes and applications

Tempilink Families	Sterilization Cycles	Tempilink Colors Print to Signal*			
<div>STEAM</div> <div>Steam Autoclave</div>	<p>Long Cycle: Saturated steam at 250°F/121°C for 10 minutes</p> <p>Short Cycle: Saturated steam at 273°F/134°C for 2 minutes</p>	Water-Based		Solvent-Based	
		<div>Printed</div> <div>Exposed</div> <div>White</div> <div>Red/Pink</div> <div>Blue</div> <div>Green</div> <div>Yellow</div> <div>Yellow</div> <div>White</div> <div>Green</div>	<div>Exposed</div> <div>Cocoa</div> <div>Cocoa</div> <div>Cocoa</div> <div>Cocoa</div> <div>Red/Pink</div> <div>Cocoa</div> <div>Red/Pink</div> <div>Purple</div>	<div>Printed</div> <div>Exposed</div> <div>White</div> <div>Red/Pink</div> <div>Blue</div> <div>Yellow</div>	<div>Exposed</div> <div>Cocoa</div> <div>Cocoa</div> <div>Cocoa</div> <div>Cocoa</div> <div>Cocoa</div>
<div>EO</div> <div>Ethylene Oxide</div>	<p>Long Cycle: Ethylene Oxide Gas 600 mg/l concentration at 130°F/54°C for 20 minutes</p> <p>Short Cycle: Ethylene Oxide Gas 600 mg/l concentration at 99°F/37°C for 25 minutes</p>	Water-Based		Solvent-Based	
		<div>Printed</div> <div>Exposed</div> <div>Blue</div> <div>Blue</div> <div>Red/Pink</div> <div>White</div> <div>Yellow</div>	<div>Exposed</div> <div>Gold/Brown</div> <div>Green</div> <div>Gold/Brown</div> <div>Gold/Brown</div> <div>Gold/Brown</div>	<div>Printed</div> <div>Exposed</div> <div>Blue</div> <div>Blue</div> <div>Red/Pink</div> <div>White</div>	<div>Exposed</div> <div>Gold/Brown</div> <div>Green</div> <div>Gold/Brown</div> <div>Gold/Brown</div>
<div>VH202</div> <div>Hydrogen Peroxide</div>	<p>Hydrogen Peroxide Vapor 2.3 mg/l concentration at 122°F/50°C for 6 minutes</p>	Water-Based			
		<div>Printed</div> <div>Exposed</div> <div>Red/Pink</div> <div>Blue</div> <div>Blue</div> <div>Red/Pink</div>	<div>Exposed</div> <div>Yellow</div> <div>Yellow</div> <div>Red/Pink</div> <div>Blue</div>		
<div>IRRAD</div> <div>Irradiation</div>	<p>IRRAD E-Beam and Gamma Radiation 10kGy (1.0 megarad)</p>	Water-Based			
		<div>Printed</div> <div>Exposed</div> <div>Yellow</div>	<div>Exposed</div> <div>Rust</div>		
<div>FORM</div> <div>Formaldehyde</div>	<p>FORM Formaldehyde Gas 1,0 mol/l concentration at 158°F/70°C for 15 minutes</p>	Water-Based			
		<div>Printed</div> <div>Exposed</div> <div>Red/Pink</div>	<div>Exposed</div> <div>Green</div>		
<div>DRY</div> <div>Dry Heat</div>	<p>Dry Heat at 320°F/160°C for 40 minutes</p>	Water-Based			
		<div>Printed</div> <div>Exposed</div> <div>Blue</div>	<div>Exposed</div> <div>Cocoa</div>		

Tempilink® is most commonly used in producing Type 1 and Type 2 (e.g. Bowie-Dick test packs) indicators. The inks are also used in creating Type 3, Type 4, and Type 5 indicators.

*Colors are for illustration purposes only and may not represent actual printed ink.

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LA-CO Industries, Inc. is a privately-owned global manufacturing company. Since 1934, we have taken pride in the design and manufacturing of high quality, performance-based products for our customers' unique applications.

LA-CO Industries is proudly celebrating over 80 years of high-quality products in the industrial, healthcare, temperature indication, and farming industries.



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