



the smart way to measure time & temperature

Timestrip® Hospital Solutions

Timestrip Time & Temperature Indicators for Use in Hospitals

Preventing infection in health workers and avoiding the spread of infectious diseases amongst patients is critical. Timestrip produces a range of reliable, chemical-based indicators that monitor time or temperature, and provide simple alerts when a specified condition is met.

Hospital Curtain Change

Timestrip Time indicators have been used to alert healthcare staff when equipment such as hospital curtains are due for replacement. These curtains and other semi-fixtures can carry bacteria and viruses, facilitating their transmission as individuals come into contact with them on a regular basis.

PPE Replacement

Filters for face masks require regular replacement to maintain their efficacy, and time indicators can provide reassurance and alert staff when their supplies need to be changed.

Disinfectant Shelf Life

Sanitisers and hospital disinfectants are a familiar feature of healthcare settings these days, but after opening, they have a finite shelf life before replacement is required. Timestrip time indicators can be affixed at the individual product level and activated when opening.

Hospital Hygiene & Temperature Storage

As demand on their services grows due to global pandemic response, hospitals will be determined to ensure that their procedures are as good as possible. The following applications for time and temperature indicators are relevant:

- Air conditioning and water filter replacement
- Blood bag shipment and storage
- Scientific and medical equipment calibration



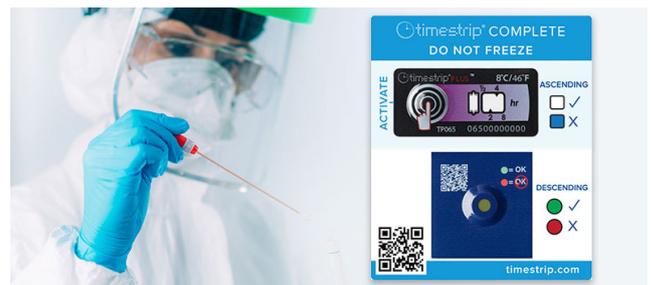
Biological Specimen Shipments

A significant increase is expected in COVID-19 testing. Laboratory procedures involve taking swabs from patients and sending these for testing by nominated laboratories. Special measures must be taken during storage and transport of the specimens, especially with respect to temperature.

Guidelines⁽¹⁾ from the WHO state that:

“Specimens which can be delivered promptly to the laboratory can be stored and shipped at 2-8°C. When there is likely to be a delay in specimens reaching the laboratory, the use of viral transport medium is strongly recommended. Specimens may be frozen to -20°C or ideally -70°C and shipped on dry ice if further delays are expected. It is important to avoid repeated freezing and thawing of specimens.”

Timestrip has available temperature indicators that provide an immediate and irreversible alert of breaches. As shipment time is also critical, a time indicator can also be deployed.



⁽¹⁾ Laboratory testing for coronavirus disease 2019 (COVID-19) in suspected human cases. Interim guidance, 2 March 2020



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Timestrip Technology

Timestrip manufactures simple solutions that offer an intuitive visual check for healthcare workers, complementing other important product data when administering pharmaceutical, vaccination or biological products. With their convenient adhesive backing, our low-cost indicators can be placed directly on the package to be monitored. Starting at manufacturing or collection the indicators can stay attached to the packaging all the way to the end user. Timestrip indicators (unlike dataloggers) can be launched, read and understood by every level of employee that encounters the products.

Temperature Solutions

Timestrip® Complete

Product level monitoring of ascending and descending temperature breaches by combining both Timestrip PLUS and Descending indicators on one convenient carrying card that can be placed directly in the shipment packaging.

Shipments including biological specimens, diagnostic substances, vaccines, drugs, blood products, implants, ophthalmic solutions, intraocular lenses, food, and chemicals can be monitored with Timestrip® Complete.

Missions Rabies teams have used Timestrip Ascending and Descending indicators to check for vaccine temperature abuse while on the field.

Timestrip® PLUS

These irreversible ascending threshold indicators are inert until activated and offered in a wide range of temperatures and run out times. Optimal healthcare indicators: -20°C, 8°C, 10°C, 25°C, 30°C, 38°C.

When a temperature breach occurs, the indicator window progressively turns from blue to white, visually alerting a breach and, critically, how long it lasted. They feature unit level serialization, allowing for a secure traceable cold chain.

Princess Royal University Hospital have used Timestrip PLUS to monitor their Total Parenteral Nutrition (TPN) bags to show the bag has not had a temperature breach before use and unused product can be returned to the pharmacy for re-issue.



Time Solutions

Timestrip® Time

With a progressive colour change, they visually indicate the length of time since indicator has been activated.

ICP Medical uses Timestrip Time indicators on hospital curtains to ensure frequent timely replacement. With the indicators placed on the curtains, there is no doubt when the last time new curtains were placed in the hospital room.

Timestrip Time indicators can be conveniently placed on the devices like nebulizer cups and IV lines so healthcare workers can see how much time is left before the next replacement.

Biological samples that need to be tested within a set time frame can benefit from Timestrip Time indicator use. They begin recording time after they are activated. With a wide range of indicators, they mark minutes up to 2 years. They can be used at unit level, showing how long since they were taken, or how long before the diagnostic tests results are ready to be read.

Clinical Innovations created a ROM Plus Premature Rupture of Membranes test with a Timestrip Time indicator included in the testing device. The indicator shows 5 to 20 minutes after the test is preformed, the critical time when the test results are ready to be read.



Email: info@timestrip.com Tel UK: +44 (0)1223 911 863 Tel USA: +1 516 441 0133