

More control. More confidence.

Solutions for medical device and
pharmaceutical sterilization processes



Setting the standard for sterilization process monitoring.

Today more than ever, succeeding in a highly competitive global marketplace depends on speed, accuracy and productivity. That's why professionals in the medical device and pharmaceutical industries worldwide have come to trust 3M sterilization products for effective and efficient monitoring of their sterilization processes.

At 3M, we understand the challenges you face in today's environment: you need credibility and efficiency in all phases of the sterilization process. Our sterilization products, experience, services and educational tools can help.

With a range of biological and chemical monitoring tools, our comprehensive portfolio for the life science industry sets today's standard for sterilization process monitoring. When you choose 3M, you gain the peace of mind that comes with products backed by a history of innovation and industry expertise. As a worldwide leader in sterilization assurance, we are dedicated to helping you meet your challenges – with proven, effective solutions that give you the competitive edge.

Performance Standards References

► Sterilization Processes and Equipment

ISO 11135. Sterilization of Health Care Products: Ethylene Oxide - Requirements for development, validation and routine control of a sterilization process for medical devices.

ISO 17665. Sterilization of health care products: Moist Heat - Requirements for development, validation and routine control of a sterilization process for medical devices.

European Norm. EN 1422: Sterilizers for medical purposes. Ethylene oxide sterilizers. Requirements and test methods.

► Biological Indicators

ISO 11138 – 1. Sterilization of health care products: General requirements.

ISO 11138 – 2. Sterilization of health care products: Biological indicators for ethylene oxide sterilization processes.

ISO 11138 – 3. Sterilization of health care products: Biological indicators for moist heat sterilization processes.

ISO 14161*. Sterilization of health care products: Biological Indicators - Guidance for the selection, use and interpretation of results.

*Proposed redesignation of ISO 14161 as.


ISO 11138-7

► Chemical Indicators

ISO 11140 - 1. Sterilization of healthcare products: Chemical Indicators - Part 1: General Requirements.

11140 - 4. Class 2 indicators as an alternative to the Bowie and Dick-type test for detection of steam penetration.

ISO 15882. Sterilization of healthcare products: Chemical Indicators - Guidance for the selection, use and interpretation of results.



3M is the name you can trust in sterilization assurance and monitoring. From EO sterilizers with customizable cycle parameters to biological indicators with super-fast release times, our portfolio is designed to give you more control over your sterilization processes.

See how 3M products for life science sterilization can help you optimize your process:

EO Sterilization.....	4
Steam Sterilization	8
VH₂O₂ Sterilization	13
Cleaning Monitoring	14

Self-contained Biological Indicator Systems for Ethylene Oxide Sterilization

3M™ Attest™ Rapid Readout Biological Indicators 1294-S for Ethylene Oxide Sterilization

The 3M™ Attest™ Rapid Readout Biological Indicator System for use with ethylene oxide (EO) sterilization processing is a proprietary technology that provides the fastest biological indicator result available. 3M™ Attest™ Biological Indicators 1294-S for Ethylene Oxide Sterilization provide results in as little as four hours post-processing, if necessary allowing corrective action to begin even before batches are released from aeration.

- Highly resistant, standardized population of *Bacillus atrophaeus* spores for EO
- Provides all of the benefits of self-contained technology plus results in four hours
- Reduced incubation can improve inventory levels and increase turns
- Meets FDA classification as a biological indicator
- Complies with ISO 11138, Parts 1 and 2
- Include both upper and lower spore population specification



Code	Description	Quantity Units/Box	Shipping Boxes/Case
1294-S	3M™ Attest™ Rapid Readout Biological Indicator for Ethylene Oxide	300	2

3M™ Attest™ Biological Indicators 1264-S for Ethylene Oxide Sterilization

3M developed the self-contained biological indicators to reduce the risk of post-processing contamination and therefore false positives.

- Highly resistant, standardized population of *Bacillus atrophaeus* spores for EO
- Conventional self-contained technology benefits:
 - Simple culturing
 - Minimizes false positives due to contamination
 - Routinely tested for incubation time of 48 hours
- Complies with ISO 11138, Parts 1 and 2
- Include both upper and lower spore population specification



Code	Description	Quantity Units/Box	Shipping Boxes/Case
1264-S	3M™ Attest™ Biological Indicators for Ethylene Oxide Sterilization	300	2

Self-contained Biological Indicator Systems for Ethylene Oxide Sterilization (continued)

3M™ Attest™ Auto-reader 390G

Featuring advanced electronics and internet connectivity, the 3M™ Attest™ Auto-reader 390G offers simplicity in use, remote interrogation of results via smartphone/tablet and easy integration into select electronic quality management systems (LIMs*). The Attest Auto-reader 390G is designed to incubate and automatically read the fluorescence of the 3M™ Attest™ Rapid Readout Biological Indicator

1294-S for Ethylene Oxide Sterilization in four hours. Advanced features include:

- Easy custom configuration buttons on top of the unit including audible alarm, time date and temperature check
- Intelligent display with time-to-result countdown and easy result interpretation features
- Remote viewing of BI results from your smart phone, tablet or PC
- Save and print incubation records from web app
- Ability to connect to select instrument-tracking software systems



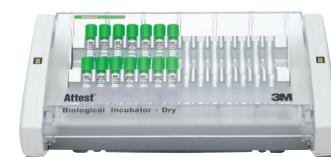
Code	Description	Quantity Unit/Box	Shipping Boxes/Case
390G	3M™ Attest™ Auto-reader for Ethylene Oxide Sterilization for use with 3M™ Attest™ Rapid Readout Biological Indicator 1294-S, (37°C/98.6°F)	1	1

*contact 3M for more information

3M™ Attest™ Biological Indicator Incubators 127 and 129

Attest Incubators provide optimal conditions for accurate readout of 3M™ Attest™ Biological Indicators 1264-S for Ethylene Oxide Sterilization.

- Convenient, 28-vial capacity visible from above
- Dry-block design pre-set to recommended 37°C incubation temperature



Code	Description	Quantity Unit/Box	Shipping Boxes/Case
127	3M™ Attest™ Biological Indicator Incubator 28 vial (2 tier), 37°C/98.6°F EO, 120 volt	1	1
129	3M™ Attest™ Biological Indicator Incubator 28-vial (2-tier), 37°C/98.6°F EO, 220/240 volt	1	1

Chemical Indicator for Ethylene Oxide

3M™ Comply™ Indicator Strip 1251 for Ethylene Oxide Sterilization

- Indicates sterilization critical parameters have been met
- Color change is red to green when exposed to ethylene oxide sterilization conditions

Code	Description	Packaging Units/Box	Shipping Boxes/Case
1251	3M™ Comply™ Chemical Indicator Strip, 15 mm x 200 mm (5/8 x 8 in)	240	1



Ethylene Oxide Sterilizers/Aerators

3M™ Steri-Vac™ Sterilizer/Aerator GSX Series



3M has offered safe, effective, self-contained EO sterilization technology for over 50 years providing an economical solution for in-house sterilization. The 3M™ Steri-Vac™ Sterilizer GSX Series is a continuation of 3M innovation and provides a compact sterilizer designed to sterilize items with 100% ethylene oxide. With state-of-the-art design, you get flexibility at a significantly lower cost compared to contract sterilization.

Steri-Vac Sterilizer GSX Series models comply with requirements defined in EN 1422 and are RoHS compliant, allowing the user to design and validate cycles meeting requirements of ANSI/AAMI/ISO 11135. Available in two chamber sizes with both single or double door configurations, the Steri-Vac Sterilizer GSX Series can be installed in enclosed wall or free-standing configurations to provide adaptability for desired work flow and space optimization needs.

- Advanced customized cycle programming capability allows cycles to be defined and locked into system (available with 3M™ Cycle Programmer)
- Two pre-programmed cycles operating at 38°C and 55°C (100.4°F and 131°F)
- A fully automatic control system ensures the selected sterilization conditions are met
- Physical parameter output via ethernet to tracking software
- Utilizes single dose 100% EO cartridge that will only release gas in a locked, negative pressure chamber when proper conditions are achieved
- Large, color, touch control, easy-to-read user interface
- All-in-one system allows sterilization and aeration in a single chamber
- Proprietary relative humidity monitoring and control system

Code	Description	Dimensions	Shipping Units/Case
GS5X-1D	3M™ Steri-Vac™ Sterilizer/Aerator - Single Door, 136 L (4.8 ft³)	Chamber: 38 cm (H) x 43 cm (W) x 83 cm (D)	1
GS5X-2D	3M™ Steri-Vac™ Sterilizer/Aerator - Double Door, 136 L (4.8 ft³)	Chamber: 38 cm (H) x 43 cm (W) x 83 cm (D)	1
GS8X-1D	3M™ Steri-Vac™ Sterilizer/Aerator - Single Door, 224 L (7.9 ft³)	Chamber: 46 cm (H) x 51 cm (W) x 97 cm (D)	1
GS8X-2D	3M™ Steri-Vac™ Sterilizer/Aerator - Double Door, 224 L (7.9 ft³)	Chamber: 46 cm (H) x 51 cm (W) x 97 cm (D)	1

¹ EN 1422 Sterilizers for medical purposes – Ethylene oxide sterilizers – Requirements and test methods

² ANSI/AAMI/ISO 11135 Sterilization of health-care products – Ethylene oxide – Requirements of the development, validation and routine control of sterilization process for medical devices

Abators

3M™ Ethylene Oxide Abator 50



3M™ Abators remove EO gas exhausted from 3M™ Steri-Vac™ Sterilizers/Aerators, catalytically converting exhausted EO into CO₂ and water vapor to meet environmental requirements. At normal operating temperatures and concentrations, removal efficiency is 99.9+% (when EO is >100 ppm).

- Works automatically with Steri-Vac sterilization system
- Interfaces with up to two sterilizer/aerators to each abator
- Temperature range monitored

Code	Dimensions	Shipping Units/Case
50	80 cm (H) x 82 cm (W) x 105 cm (D) 31 in (H) x 32 in (W) x 41 in (D)	1

Gas Cartridges, Monitoring Badges and Printer Papers

3M™ Steri-Gas™ Ethylene Oxide Gas Cartridges 4-100, 4-134 and 8-170

100% EO is contained in a single-dose cartridge. With 3M™ Steri-Gas™ EO Gas Cartridges, operators have no bulky, heavy gas tanks to handle, and no hoses, valves and filters to adjust or replace, increasing the operational safety of the system.

- The system provides an easy, cost-effective and efficient method of gas sterilization
- Precise usage of EO with single-dose cartridges means no waste of sterilant
- Single dose canister designed to puncture only when correct vacuum is obtained in the sterilizer
- Custom fill available (upon request)



Code	Description	Packaging Units/Box	Shipping Boxes/Case
4-100	3M™ Steri-Gas™ Cartridges, 100 gram Cartridge	12	1
4-134	3M™ Steri-Gas™ Cartridges, 127 gram Cartridge	12	1
8-170	3M™ Steri-Gas™ Cartridges, 170 gram Cartridge	12	1

3M™ Steri-Vac™ Ethylene Oxide Monitoring Badge 3550

Lightweight personal monitoring badge packed with ethylene oxide-sensitive material. Clips to lapel or pocket near employee breathing zone for passive monitoring of individual during a work shift to meet U.S. mandated requirements.



Code	Description	Shipping Units/Case
3550	3M™ Steri-Vac™ EO Monitoring Badge	5

3M™ Steri-Vac™ Printer Papers 1217

Thermal printer paper for use with 3M™ Steri-Vac™ Ethylene Oxide Sterilizer/Aerators.

Code	Description	Shipping Rolls/Case
1217	3M™ Steri-Vac™ Printer Paper, 79 mm (3-1/8 in) wide	2



Biological Indicator Systems for Steam Sterilization

3M™ Attest™ Rapid Readout Biological Indicator 1292-S for Steam Sterilization



The 3M™ Attest™ Rapid Readout Biological Indicator system for use with steam sterilization processing provides the result in three hours, if necessary allowing corrective action to begin before batches are released.

- Provides results in 3 hours
- Highly resistant, standardized population of *Geobacillus stearothermophilus*
- Provides all of the benefits of self-contained design plus results in three hours
- Reduced incubation can improve inventory levels and increase turns
- Meets requirements of ISO 11138, Parts 1 and 3
- Include both upper and lower spore population specification

Code	Description	Packaging Units/Box	Shipping Boxes/Case
1292-S	3M™ Attest™ Rapid Readout Biological Indicator for Steam Sterilization	300	2

3M™ Attest™ Biological Indicator 1262-S for Steam Sterilization



3M developed the self-contained biological indicators to reduce the risk of post-processing contamination.

- Highly resistant, standardized population of *Geobacillus stearothermophilus* spores
- Conventional self-contained technology benefits:
 - Minimizes false positives due to contamination
- Routinely tested for incubation time of 48 hours
- Meets FDA classification as a biological indicator
- Complies with ISO 11138 Parts 1 and 3
- Include both upper and lower spore population specification

Code	Description	Packaging Units/Box	Shipping Boxes/Case
1262-S	3M™ Attest™ Rapid Readout Biological Indicator for Steam Sterilization	300	2

3M™ Attest™ Super Rapid Readout Biological Indicator

3M Attest Super Rapid Readout biological indicator system for use with steam sterilization processing is a proprietary technology that provides the fastest biological indicator result available. 3M Attest Super Rapid Readout provides results in as little as 24 minutes post-processing. The product can be used in sterilization processes operating at between 132°C and 135°C.

- 24 minute readout biological indicator for steam sterilization cycles
- Highly resistant, standardised population of *Geobacillus stearothermophilus* spores
- Provides all of the benefits of self-contained technology plus results in one hour
- Complies with EN ISO 11138-1 and -3



Code	Description	Packaging Units/Box	Shipping Boxes/Case
1492V	3M™ Attest™ Super Rapid Readout Biological Indicator	50	4

Biological Indicator Systems for Steam Sterilization (continued)

3M™ Attest™ Auto-reader 390

The 3M™ Attest™ Auto-reader 390 is designed to incubate and automatically read the fluorescence of 3M™ Attest™ Rapid Readout Biological Indicator 1292-S for Steam Sterilization in 3 hours.

Advanced features include:

- Easy-to-use custom configuration including audible alarm, time date, and temperature check
- Intelligent display with time-to-result countdown and easy result interpretation features
- Save or print incubation result and BI result records from web app
- Display viewable remotely through web app using your smart-phone, tablet or PC
- Ability to connect to select instrument tracking software systems*



Code	Description	Packaging Units/Box	Shipping Boxes/Case
390	3M™ Attest™ Auto-reader, 10 well capacity	1	1

*contact 3M for more information

3M™ Attest™ Biological Indicator Incubator 116

Attest Incubator 116 provides optimal conditions for accurate readout of 3M™ Attest™ Biological Indicators 1262-S.

- Convenient 14 vial (round) capacity visible from top
- Dry-block design pre-set to recommended 56° incubation temperature

Code	Description	Packaging Units/Box	Shipping Boxes/Case
116	3M™ Attest™ Biological Indicator Incubator, 14-vial (round) 56°C, 120 volt	1	1



Test Packs

3M™ Attest™ Rapid Readout Biological Indicator 1296 Test Pack



Test pack for steam sterilizers. Contains 3M™ Attest™ Rapid Readout Biological Indicator 1292 for Steam Sterilization.

Code	Description	Packaging Units/Box	Shipping Boxes/Case
1296	3M™ Attest™ Rapid Readout Biological Indicator Test Pack for Steam Sterilization	25	25

3M™ Attest™ Biological Indicator 1276 Test Pack



Test pack for steam sterilizers. Contains 3M™ Attest™ Rapid Readout Biological Indicator 1262 for Steam Sterilization.

Code	Description	Packaging Units/Box	Shipping Boxes/Case
1276	3M™ Attest™ Biological Indicator Test Pack for Steam Sterilization	25	–

Bowie Dick Type Tests

3M™ Comply™ Disposable Bowie and Dick Type Autoclave Test Pack



- Complies with EN ISO 11140-1 and -4
- Laminated card indicator sheet
- BSI certified
- Easy to locate and retrieve test sheet

Code	Description	Packaging	Shipping
1300	3M Comply Disposable Bowie and Dick Type Autoclave Test Pack	20 items/box	1 box/case

3M™ Comply™ Disposable Bowie and Dick Type Autoclave Test Pack



- Complies with EN ISO 11140-1 and -4
- Paper indicator sheet
- BSI certified
- Easy to locate and retrieve test sheet

Code	Description	Packaging	Shipping
1301	3M Comply Disposable Bowie and Dick Type Autoclave Test Pack	20 items/box	1 box/case

Type 5 Chemical Indicators for Steam

3M™ Comply™ (SteriGage™) 1243 A 1243 B Steam Chemical Integrators

- Meets requirements of ISO 11140-1 Type 5 Integrating Indicator
- Moving front technology provides easy-to-read accept/reject results
- Compatible with parametric release processes

Code	Description	Packaging Units/Bag	Shipping Bags/Case
1243 A	3M™ Comply™ SteriGage™ Chemical Integrator, moving front design	500	2
1243 B	3M™ Comply™ SteriGage™ Chemical Integrator, moving front design	1,000	1

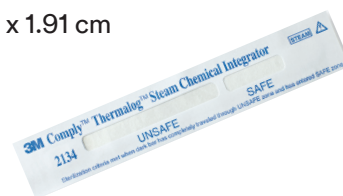


3M™ Comply™ (Thermalog™) 2134MM Steam Chemical Integrator

3M™ Comply™ Thermalog™ Steam Chemical Integrator 2134MM, moving front, size 10.16 cm x 1.91 cm

- Indicates sterilization critical parameters have been met
- Moving front technology provides easy-to-read accept/reject results

Code	Description	Packaging Units/Box	Shipping Boxes/Case
2134MM	3M™ Comply™ Thermalog™ Chemical Integrator, moving front design	250	8



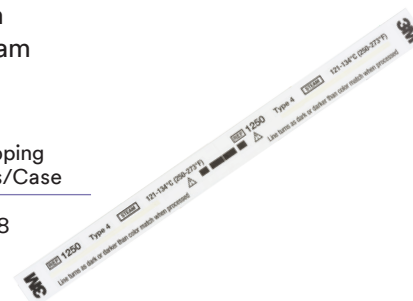
Multi-Variable Chemical Indicators

The indicators react sequentially to defined parameters of sterilization processes, providing both a specific time/temperature reaction.

3M™ Comply™ 1250 Steam Chemical Indicator Strip

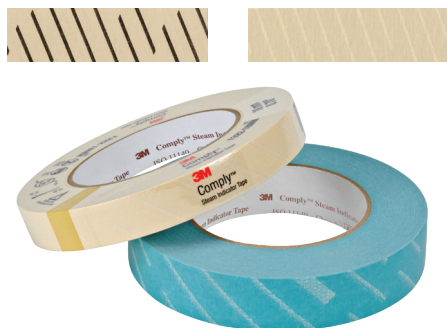
Long strip of chemical indicator ink printed on perforated-style strip. Color change from off-white to black. This Type 4 multi-variable indicator reacts to two or more critical steam sterilization process variables. Meets requirements of ISO 11140-1 Type 4.

Code	Description	Packaging Units/Box	Shipping Boxes/Case
1250	3M™ Comply™ Steam Chemical Indicator Strip, Type 4 multi-variable indicator. Color change result.	240	8



Type 1 Process Indicator Tapes for Steam

3M™ Comply™ Lead Free Steam Indicator Tape 1322 and 1355



A reliable steam indicator tape that provides immediate identification of processed goods. The chemical indicator lines will turn dark when exposed to a steam sterilization process.

- Reliable adhesive adheres to sterilization wraps and other materials
- Sustainable, solvent-free manufacturing process for paper backing and ink
- Does not require hazardous waste disposal
- Convenient, individually wrapped, easy-to-open rolls
- Lead free construction and not made with natural rubber latex

Code	Description	Shipping Rolls/Case
1322-12 mm	3M™ Comply™ Lead Free Steam Indicator Tape designed for use on all wraps, size 12 mm x 55 m (0.47 in x 60 yd), tan	42
1322-18 mm	3M™ Comply™ Lead Free Steam Indicator Tape designed for use on all wraps, size 18 mm x 55 m (0.70 in x 60 yd), tan	28
1322-24 mm	3M™ Comply™ Lead Free Steam Indicator Tape designed for use on all wraps, size 24 mm x 55 m (0.94 in x 60 yd), tan	20
1322-48 mm	3M™ Comply™ Lead Free Steam Indicator Tape designed for use on all wraps, size 48 mm x 55 m (1.89 in x 60 yd), tan	10
1355-18 mm	3M™ Comply™ Lead Free Steam Indicator Tape designed for use on disposable wraps, size 18 mm x 55 m (0.70 in x 60 yd), blue	28
1355-24 mm	3M™ Comply™ Lead Free Steam Indicator Tape designed for use on disposable wraps, size 24 mm x 55 m (0.94 in x 60 yd), blue	20

Heavy Duty Tape Dispensers

M52 Heavy Duty Tape Dispenser with Tabber



Holds three 1/2-inch rolls or two 1-inch rolls or one 2-inch roll. A tabber can be attached to the tape dispenser, which automatically folds a 1/4-inch length of tape.

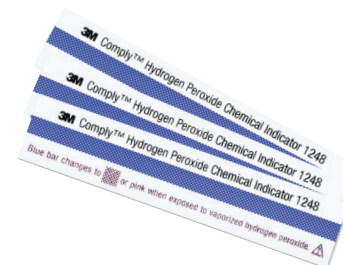
Code	Description	Packaging Units/Box	Shipping Boxes/Case
M52	3M™ Heavy Duty Tape Dispenser, with tabber and weighted base	1	1

Monitoring solutions for chambered processes involving VH₂O₂ sterilization

3M™ Comply™ 1248 Hydrogen Peroxide Chemical Indicator Strip

- For use in vaporized hydrogen peroxide applications when validated by the user
- Indicator changes from blue to pink when exposed to hydrogen peroxide vapor
- Processed indicator color does not fade when exposed to light for up to one month

Code	Description	Packaging Units/Box	Shipping Boxes/Case
1248	3M™ Comply™ Hydrogen Peroxide Chemical Indicator Strip, 2.0 cm x 10 cm (13/16 in x 4 in)	250	4



3M™ Comply™ 1228 Hydrogen Peroxide Indicator Tape

A reliable Vapor Phase Hydrogen Peroxide indicator tape is a process indicator.

- The chemical indicator will turn from blue to pink when exposed to hydrogen peroxide vapor
- Reliable adhesive adheres to sterilization wrap and other surfaces
- Backing is cellulose-free and does not contain natural rubber latex

Code	Description	Packaging Units/Box	Shipping Rolls/Case
1228	3M™ Comply™ Hydrogen Peroxide Chemical Indicator Tape, 19 mm x 55 mm (3/4 in x 60 yds.), white	24	24



3M™ Attest™ Rapid Read-out Biological Indicators

Code	Description	Packaging	Shipping
1295*	3M™ Attest™ Rapid Read-out Biological Indicator for Vaporised Hydrogen Peroxide Sterilization	30 each/pouch	4 pouches/case

3M™ Attest™ Rapid Read-out Biological Indicators use the same technology you've trusted for years, and can now bring rapid results for Vaporised Hydrogen Peroxide Sterilization processes.

- Biological Indicator results in just 24 minutes
- Sixty times faster than traditional BIs for VH202

*Approved by the FDA for the following STERRAD® and V-PRO® systems:
STERRAD® 100 | STERRAD® 100S | STERRAD® NX | STERRAD® 100 NX | V-PRO® maX



3M™ Attest™ Auto-reader

- For use with 3M Attest Rapid Read-out Biological Indicator for Vaporised Hydrogen Peroxide Sterilization 1295
- Includes Ethernet cable for web interface connectivity

Code	Description	Packaging	Shipping
490H	3M™ Attest™ Auto-reader	1 unit/box	1 box/case



Cleaning Monitoring System

The 3M™ Clean-Trace™ ATP Monitoring System is a cost-effective solution for monitoring surface cleanliness in production areas, clean rooms and processing equipment.

The system measures the amount of adenosine tri-phosphate (ATP) on a surface or water sample. It indicates in less than 10 seconds overall organic soil contamination including microbiological, human and some process residues. Fast result allows action to be taken quickly for recleaning. The test uses well established bioluminescent technology and provides quantitative results.

The Clean-Trace ATP Monitoring System consists of three elements:

1. Single use test swabs
2. Luminometer instrument to read the result and capture the data
3. 3M™ Quality Control Data Manager to store data and automatically generate management reports

3M™ Clean-Trace™ Luminometer LX25



The 3M™ Clean-Trace™ Luminometer LX25 is a hand-held, portable instrument which measures and captures ATP test results which then can be uploaded to the 3M™ Quality Control Data Manager. This instrument also holds the sampling plan for the testing operator to follow. When a test is conducted according to the plan a quantitative result will be displayed in RLU (Relative Light Units).

Code	Description	Packaging Units/Box	Shipping Boxes/Case
LX25	3M™ Clean-Trace™ Luminometer	1	1

3M™ Clean-Trace™ ATP Surface Test UXC



The 3M™ Clean-Trace™ ATP Surface Test UXC is a surface test used to collect a sample from a surface and inserted into the Luminometer LX25 to obtain a result.

Code	Description	Packaging Units/Box	Shipping Boxes/Case
UXC	3M™ Clean-Trace™ Surface Test	100	1

Cleaning Monitoring System (continued)

3M™ Clean-Trace™ ATP Water Test H2O

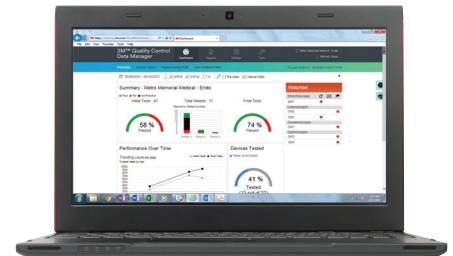
3M™ Clean-Trace™ ATP Water Test H2O used to collect and measure a water sample. After water is collected, the test is activated and inserted into the Luminometer LX25 to obtain a result. The test is designed for ease of use and convenience and can be used for assessing final rinse or other process waters for overall levels of contamination.



Code	Description	Packaging Units/Box	Shipping Boxes/Case
H2O	3M™ Clean-Trace™ Water Test H2O	100	1

3M™ Quality Control Data Manager

3M™ Quality Control Data Manager is a secure online 3M hosted service that provides advanced data analysis with tracking and full trending capabilities, including automatic report generation. The easy-to-interpret dashboard provides status at a glance. Advanced data analysis capability allows drill-down to detailed cleaning results by operator, location, time or device.



3M™ Clean-Trace™ CTPR050 and DHB230 ATP Protein Test

The protein test is a very simple and effective residual protein test. In just 15 minutes it indicates the presence of proteinaceous surface contamination to a sensitivity of 3 microg of protein and has been shown to meet the sensitivity required by EN ISO 15883. The test is designed for ease of use and convenience. The test needs to be incubated at 55°C for 15 minutes to obtain a result.



Code	Description	Packaging Units/Box	Shipping Boxes/Case
CTPR050	3M™ Clean-Trace™ Protein Test	50	1



Let's get started – together.

3M is more than a brand – we're people who share your passion for solving problems and improving lives. We have significant experience in the Life Sciences industry, understand the regulatory landscape and have a global supply and support network ready to help you find solutions to your most critical challenges.

Not sure which solution is right for your application? We're here to help!

Contact us for answers to any questions you may have, including guidance on choosing the correct Sterilizer and Monitoring products for your process. We also offer general application advice, product data, information on purchasing test samples and more.

Visit www.3M.com/lifescience or contact your local 3M representative to get started today.

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