

**3M™ Attest™ 1294-S Rapid Readout  
Biological Indicator for Ethylene Oxide**

**3M™ Attest™ Auto-readers**

**3M™ Comply™ Process Indicators for Ethylene Oxide**



**Innovative  
Monitoring Technology  
For Medical Sterilization Applications**

3M is committed to providing innovative solutions to improve your business efficiency and help maintain a strong, worry-free quality system. 3M is the only sterilization monitoring manufacturer that has subsidiary offices in 60 countries throughout the world to help our customers standardize monitoring everywhere you manufacture with 3M direct technical and sales support in your language and in your time zone. 3M is known worldwide for our diversified technologies, technical leadership, strong quality system, manufacturing capacity, expert technical support and reliable products.

**Medical Sterilization Specialties**  
INTERNATIONAL



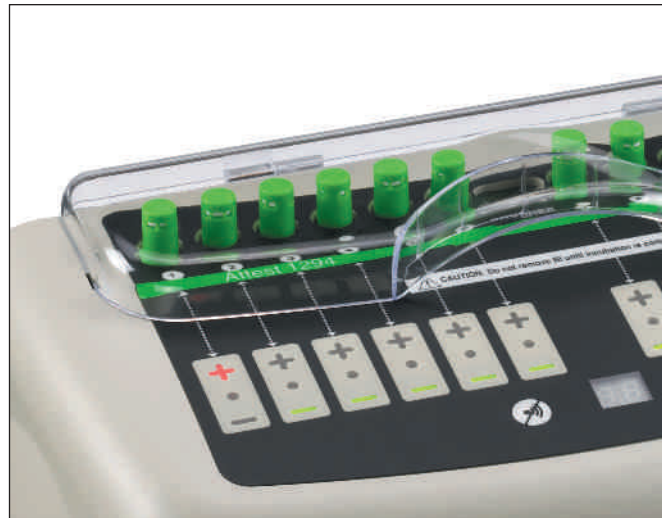
## 3M™ Attest™ Rapid Readout Biological Indicator Technology

The 3M™ Attest™ 1294-S Rapid Readout Biological Indicator for Ethylene Oxide is a reliable, convenient and efficient sterilization monitoring indicator designed for validation and routine monitoring of industrial ethylene oxide sterilization processes. The Attest 1294-S has been validated with a fluorescent Reduced Incubation Time (RIT) of 4 hours when used in conjunction with the Model 293G or 290G Auto-reader, under specific test conditions. This proprietary technology from 3M can help improve inventory turns by allowing medical device manufacturers to speed supply chain throughput and reduce manufacturing unit cost. The economic benefit gained from a faster biological indicator final read time is measurable and sustainable.



### Important Industrial User Benefits

- Self-contained biological indicator design reduces the risk of transfer positives
- Conforms with ISO and ANSI/AAMI/ISO 11138:2006 Parts 1 and 2 - Biological Indicators
- Recognized by the US Food and Drug Administration as a biological indicator
- Supported by 3M Technical Service and Quality System



Attest 1294-S biological indicator is comprised of a paper carrier inoculated with a standardized population of *Bacillus atrophaeus* ATCC® 9372 spores, a non-woven macro-porous material, a glass ampoule containing proprietary recovery medium, a plastic cap with filter, and a transparent plastic sleeve. The biological indicator has a chemical process indicator on the label that will change from reddish-brown to green upon exposure to the ethylene oxide sterilization process. The recovery medium will produce a fluorescent response detected by the Attest Auto-reader if active spore associated beta-glucosidase enzyme is present, and a pH color change from blue-green to yellow if viable spores are present and continued incubation conditions are satisfactory.

The performance features of each lot of Attest 1294-S are documented on the 3M Quality Certificate included with each package stating population and D-Value along with 3M specification ranges to help establish validation protocols. 3M specification ranges are narrower than those as described in ISO standards and have a high level of reproducibility. No other manufacturer provides this information with every lot of product. Packaged to provide breakage and humidity excursion protection, Attest 1294-S has a two year shelf life.

### 3M Attest Auto-readers

3M™ Attest™ 293G and 290G are accurate, reliable Attest 1294-S biological indicator incubators with an automatic readout feature. Model 293G Auto-reader is designed specifically for industrial sterilization processing with a 36-well capacity and was developed with significant input from leading medical device users. The unit provides an automatic fluorescence daily calibration. Factory calibration documentation is provided with each unit and annual calibration service is available.

Innovative  
Efficient  
Precise  
Quality





### 3M™ Attest™ 293G Auto-reader – 36-well capacity

Attest Auto-readers incubate at  $37 \pm 2^\circ\text{C}$  and automatically read the fluorescence produced by a positive Attest 1294-S Rapid Readout biological indicator. The Attest Auto-reader will hold the result until recorded and can help streamline your processes. The Auto-reader is also designed to allow continued incubation to verify the test organism's outgrowth.

The 293G and 290G Auto-readers are run by internal software controls. An internal temperature monitoring control will display an error code should the temperature fall outside the specified range. 3M Auto-readers are immune to data loss on power interruption as readings are stored in the memory chip and the unit will automatically restart. The internal software controls are 21 CFR 1910 compliant and alert the user to fault conditions.

3M™ Attest™ Auto-reader 290G has a 12-well capacity and are suitable for smaller volume processing.



### 3M™ Attest™ 290G Auto-reader – 12-well capacity

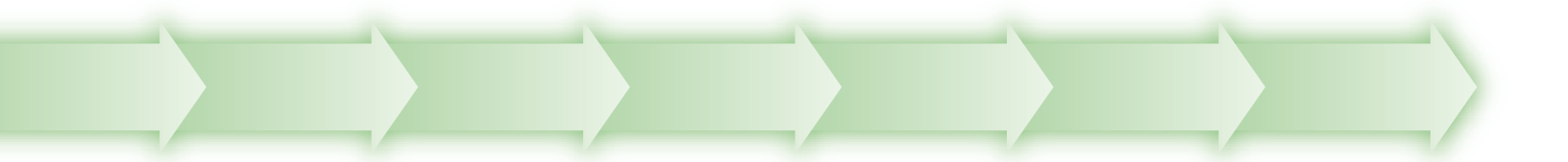
## 3M™ Comply™ Process Indicators

Process indicators are important sterilization process control mechanisms used to distinguish processed from unprocessed goods. This is particularly important in a contract sterilization environment where large volumes of multiple manufacturers' products are processed with efficient throughput. 3M offers a line of suitable process indicators that conform with ISO 11140-1: 2005 ***Sterilization of health care products – Chemical Indicators – Part 1: General requirements (Class 1)***.

3M™ Comply™ Indicator Tapes for Ethylene Oxide are reliable process indicators. The chemical indicator stripe on 3M™ Comply™ 1224 indicator tape will turn red for easy identification when exposed to an ethylene oxide process. These products are simple to apply and reliably adhere to packaging material. 3M tape dispensers models C22 and M920 provide convenient dispensing of 3M Indicator Tapes.



### 3M™ Comply™ 1224 Indicator Tape for Ethylene Oxide



# Ordering Information

Cat. No.	Description	Packaging	Shipping
1294-S	3M™ Attest™ Rapid Readout biological indicator for ethylene oxide	300 each/box	2 boxes/case
293G	3M™ Attest™ Auto-reader; 36 well capacity	1 each/box	1 box/case
290G	3M™ Attest™ Auto-reader; 12 well capacity	1 each/box	1 box/case
1224-6	3M™ Comply™ Indicator tape for Ethylene Oxide Sterilization 1.9 cm x 55 m (3/4" x 60 yds.), Green	—	24 rolls/case

Call us at Customer Service to place an order: 800-742-1994 (U.S.). Visit our website: [www.3M.com/medicalspecialties](http://www.3M.com/medicalspecialties) for product and services information, news about conferences we will be attending, new product highlights or to make a direct inquiry.

To have a sales representative contact you, or to request samples, please contact us at 3M HELPLINE 800-228-3957 (U.S.) or for international inquiries, please contact your local country representative. Our 3M Medical Specialties subsidiary contacts are listed below.

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