

SHINVA



CIMA[®]
Industries Inc.
Pharmaceutical Equipment

LOW TEMPERATURE STERILIZATION CHECKING DISPOSABLE CONSUMABLES ❄️



*Integral solutions
in medical equipment*

LOW TEMPERATURE STERILIZATION CHECKING DISPOSABLE CONSUMABLES

H₂O₂ PLASMA STERILIZATION CHEMICAL INDICATOR.

The H₂O₂ low temperature plasma sterilization is H₂O₂-based technology. It takes plasma to strengthen sterilizing performance and decompose residual H₂O₂. Its chemical detection will be affected by the following factors:

- a. Time: the longer of working time, the more bacterial spore will die, the color change will be more prominent.
- b. Concentration: the sterilizing performance will become enhanced along with the increase of H₂O₂ concentration, and the color change will be more prominent.
- d. Relative humidity and organics will effect the color change.

Plasma sterilization chemical indicator can effectively detect time, concentration, temperature, humidity and other sterilizing parameters. It provides fast and accurate sterilizing detection.

Dedicated sterilizing agent for H₂O₂ low temperature plasma sterilizer.

It uses H₂O₂ as key component to kill bacterial spore. Its H₂O₂ concentration is 56% ~ 63%.



Ethylene oxide sterilization chemical indicating card

It is used for judging the eligibility of EO sterilizing by observing the color change. The color changes from red to green means the sterilization is eligibility.

Contrasting card

Before
sterilization

Sterilization
qualified



H₂O₂ low temperature plasma sterilization chemical indicating label.

It is used for H₂O₂ low temperature plasma sterilization to judge whether the article has been sterilized through the color change. The color changes from green (red) to yellow indicates that this article has been sterilized. The article name, staff name of packaging, sterilizer number, batch number, sterilizing date and expiry date can be recorded on the label for traceability use.



Rolled label

It is used for H₂O₂ low temperature plasma sterilization to judge whether the article has been sterilized through the color change. The color changes from red to yellow indicates that this article has been sterilized. Any information can be printed on this label for traceability use.



H₂O₂ low temperature plasma sterilization chemical indicator

- a. it adopts thermophilic fat spore bacillus ATCC 7953.
- b. The built-in indicator can avoid secondary contamination.
- c. 56°C ~ 58°C incubation after sterilization, and the incubation can be finished within 48hrs.
- d. The color of incubating fluid keeps purple means the sterilization is eligible.
- e. 50/set.



ETHYLENE OXIDE STERILIZATION CHEMICAL INDICATOR

Ethylene oxide (EO) is broad spectrum gas agent which can kill vegetative forms of bacteria, spore, fungus and virus. It has strong penetration but has no harm on instrument. After sterilization, EO will volatilize rapidly. the EO gas agent is perfectly suitable for those articles that cannot resist high temperature and humidity. The following factors will affect the performance of EO sterilization: organics, inorganic substance, intensive load or overload. Therefore, it is necessary to detect the sterilizing performance.

Both EO chemical indicating card and label are indicators for sterilization detection. They have advantages of convenient, visualized and accurate.

Shinva ethylene oxide sterilization chemical indicating card

It is used for judging the eligibility of EO sterilizing by observing the color change. The color changes from red to green means the sterilization is eligibility.



Before sterilization



Sterilization qualified



Ethylene oxide sterilization chemical indicating label

It is used for judging whether articles have been sterilized by observing the color change. The color changes from red to green, it means the article has been sterilized.



unsterilized



sterilized



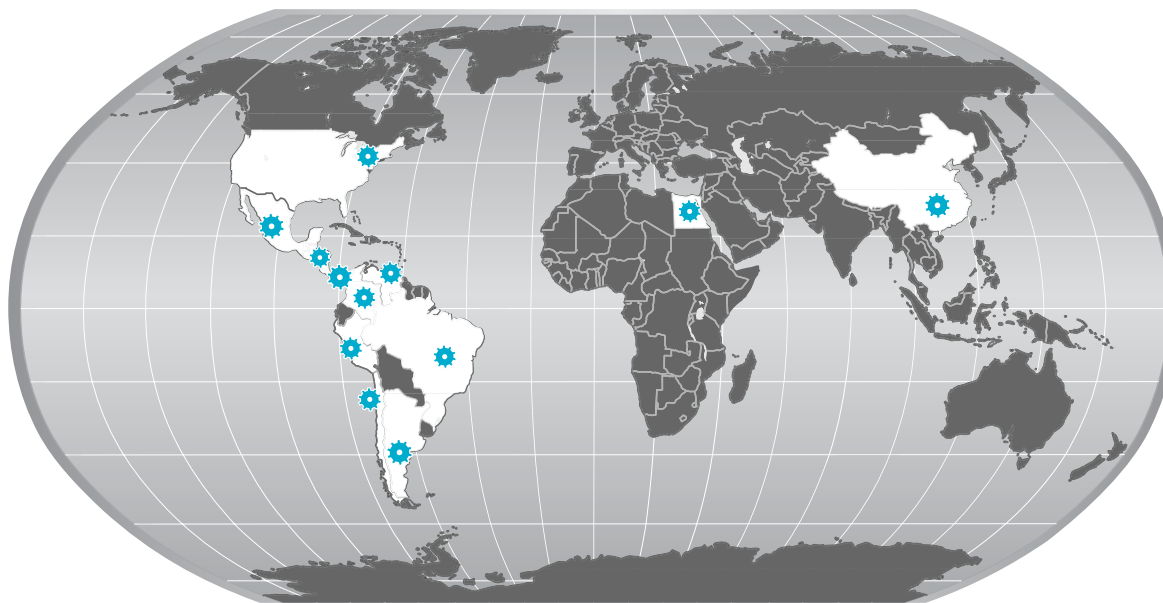
Ethylene oxide sterilization biological indicator

- a. It adopts black subtilis bacillus ATCC 9372.
- b. The built-in indicator can avoid secondary contamination.
- c. 35°C ~ 37°C incubation after sterilization, and the incubation can be finished within 48hrs.
- d. The color of incubating fluid keeps green means the sterilization is eligible.
- e. 50/set





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