

WAVICIDE MEC Indicator

FACT SHEET

Description

The WAVICIDE MEC Indicator is a semi-quantitative indicator designed to monitor the glutaraldehyde concentration of WAVICIDE-01. The indicator can not validate the sterilization or disinfection process.

Storage

Store WAVICIDE MEC Indicators in original container, in a dry area at room temperature (59°F (15°C) - 86°F (30°C)). Keep cap tightly closed. The bottle contains a desiccant - do not remove.

Indications

The WAVICIDE Indicator indicates if the glutaraldehyde concentration of WAVICIDE-01 is above 1.7% (the stated Minimum Effective Concentration (MEC)).

Composition

Glutaraldehyde strip is composed of two reactive ingredients, Sodium sulfite (90.5%) and glycine (9.5%). The strip is constructed of a paper pad and a plastic strip.

Chemical Reaction

Step 1

Glutaraldehyde + Sodium Sulfite

↓

Glutaraldehyde + Sodium Hydroxide
Bisulfite Addition
Product

Step 2

Glycine + Sodium Hydroxide + Glutaraldehyde

↓

Yellow Color

Recommended Usage

Glutaraldehyde solutions should be tested before immersing instruments to be disinfected or sterilized and after removing instruments from solution. Use log on reverse side to record results.

Directions for Use

1. Remove one indicator from the bottle. Reclose tightly.
2. Dip the pad end of the indicator into the glutaraldehyde solution and withdraw immediately.
3. Remove the excess solution from the pad by touching a side edge of the indicator on a paper towel. Do not blot with the pad face down.
4. Lay the indicator across the bottle cap so it is balanced.
5. Wait 5 minutes for color development. Less than 5 minutes, color change will be incomplete and may be interpreted incorrectly. Do not wait more than 8 minutes-color will gradually fade making interpretation difficult.

How to Read

If pad is completely yellow, solution is above 1.7%. If solution concentration is at or below 1.7%, pad will have either no change or an incomplete color change to yellow.

Caution

Do not use glutaraldehyde solutions beyond manufacturer's expiration date.

Suggested Performance Test (Optional)

STANDARD PREPARATIONS

Prepare solutions using WAVICIDE-01 Solution which has recently been assayed using the USP monograph entitled "Glutaral Disinfectant Solution." The dilutions should be prepared quantitatively by weighing, using distilled water. The following equation can be used to determine the different solution concentrations:

$$\frac{\text{Desired Solution Concentration} \times 100\text{g}}{\text{Assayed \% of glutaraldehyde}} = \frac{\text{Amount of glutaraldehyde Solution(g)}}{\text{Amount of Distilled Water(g)}}$$

$$100 - \text{Amount of glutaraldehyde} = \text{Amount of Distilled Water(g)}$$

PROCEDURE:

Following the Directions for Use, dip three (3) test strips in each solution stated below.

WAVICIDE MEC Indicator
Following the Standard Preparation and Procedure, prepare solution of 1.7% concentration in water and full strength WAVICIDE-01 and test.

The Indicator when dipped into the 1.7% solution will exhibit either no change or an incomplete color change to yellow. Indicators dipped in the full strength solution will exhibit a uniform yellow color of any shade; i.e. pale yellow to bright yellow.

Performance Characteristics

The accuracy and sensitivity of WAVICIDE MEC Indicators is $\pm 0.25\%$. The precision for each monitor for its stated specification is $\pm 0.1\%$.

Expiration

WAVICIDE MEC Indicators have a Thirty (30) month shelf life from date of manufacture in an unopened container and 120 days from date container is opened.

Made in U.S.A. for:

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