What are biological indicators and why are they used?

A biological indicator provides information on whether necessary conditions were met to kill a specified number of microorganisms for a given sterilization process, providing a level of confidence in the process. Endospores, or bacterial spores, are the microorganisms primarily used in BIs.

A biological indicator is made up of a carrier material, on which bacterial spores with a defined resistance to the sterilization process have been applied. The carrier material is enclosed within a glassine vial. The BI is exposed to the sterilization process and then incubated under defined growth conditions to determine whether any spores survived the process. If no spores survive, none grow and the test is a pass. If growth is detected, the test is a fail.

Why choose Tuttnauer BI's?

- Tuttnauer has the fastest 20 minute BI in the market.
- Tuttnauer biological readers can read different indicators in the same machine.
- Tuttnauer readers will do the job right in your office, where as using a mailing provider will take a week.
- Tuttnauer allows your office to save time and money!
- Tuttnauer biological indicators support gravity or pre/post vacuum autoclaves.

Tuttnauer Biological Readers: Tuttnauer offers 2 biological readers:

The MiniBio is a small compact reader which holds 3 indicators, this reader allows each slot to read a different indicator.
The BioNova is a larger reader which holds 12 indicators, this reader allows 2 simultaneous programs with 6 indicators in each program.

WTL198-0057 - NTMBAR
MiniBio Auto reader
Compact design, Allows incubating 3 indicators simultaneously, in different incubation times, at the same temperature.

WTL198-0079 - NTBI
BioNova Incubator
Optimization of incubation times (2 simultaneous programs)

WTL198-0147 - NTBIT
Thermometer
Temperature calibration control for the readers

Tuttnauer Biological Indicators: Tuttnauer offers Biological Indicators and PCD's:

20 minute and 1 hour biological indicators, 20 minute is the fastest in the market. Both indicators can be used in gravity and pre/post vaccuum autoclaves at any temperature.

In addition to the indicators, Tuttnauer offeres process challenge devices available in 20 minute and 1 hour. As per AAMI ST79, PCDs containing biological indicators should be used for routine monitoring of steam sterilization cycles at least weekly, preferably daily, and in every load containing implants.

WTL198-0072 -BITUR
Steam, Ultra Rapid
20 minute Biological indicator can be used in gravity or pre/post vaccuum autoclave

WTL198-0058 -BI-TR
Steam, Rapid
1 hour
Biological indicator can be used in gravity or pre/post vaccuum autoclave

WTL198-0077 - PCD-TRU
Process Challenge Device (PCD) 20 minute
PCD's can be used in gravity or pre/post vaccuum autoclave

WTL198-0075 - PCD-TR
Process Challenge Device (PCD) - 1 hour
PCD's can be used in gravity or pre/post vaccuum autoclave

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