



before exposure



after exposure

ONCE·A·DAY®

Pre-assembled, disposable Bowie & Dick test pack

- For daily testing of pre-vacuum steam autoclaves
- For single use only!
- Equivalent to the standard AAMI Bowie & Dick test pack* and complies with:

ANSI/AAMI/ISO 11140-1:2005, Class 2 indicator
 ANSI/AAMI/ISO 11140-5:2007

The Bowie & Dick test should be carried out each day sterilizer is used, before the first processed load. The Bowie & Dick test also should be carried out during sterilizer qualification*

If a Bowie-Dick test shows a fail result, repeat the test as some failures, such as a poorly sealed door gasket, may be transient. If the second test passes, then the sterilizer may be used. In the case of repeat failures, the results should be reported to the supervisor on duty, who will determine the disposition of the sterilizer, i.e., whether it should be retested, serviced, or remain in use. As stated in AAMI ST79, if the sterilizer fails the Bowie-Dick test, it cannot be made functional merely by increasing the exposure time for sterilized items; such a sterilizer is in need of skilled attention.

Examples of test sheets before and after correct exposure, and common fail results, are shown in the illustration. If there is any doubt as to the correct interpretation of the test results, consult your Duraline representative or call Propper at (877)561-0500.

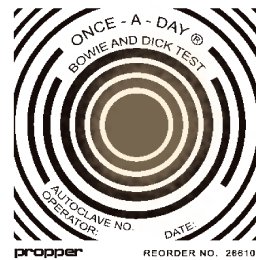
TYPICAL MALFUNCTIONS



under processed



fail cycle



fail cycle

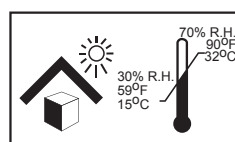


wet steam

INSTRUCTIONS

1. Bring sterilizer chamber up to operating temperature.
2. Place a pre-assembled disposable Once-A-Day® test pack in the horizontal position on the lowest shelf (above the drain) of the empty sterilizer. (The Bowie & Dick protocol* requires that only the test pack may be in the sterilizer during the test).
3. Run a regular sterilization cycle - but limit the exposure time to 3½ minutes at 270-276°F, 132-135°C). If half minute exposures cannot be selected on the sterilizer, a 4 minute exposure time may be used. **Under no circumstances should the test exceed 4 minutes.** Longer exposure invalidates the test.
4. In the interest of saving time, the drying phase may be omitted. After the test, remove the pack from the autoclave. **Caution: Pack maybe be hot.**
5. Open the pack. Remove the test sheet by pulling on the protruding edge of the test sheet. Interpret the results.
6. The presence of an area where the indicating ink has not yet changed to black is a possible indication of a failure. The color of the incompletely changed area may be dark brown, light brown, or the original white color of the unprocessed indicator ink.
7. Overexposure caused by excessive temperature, time, or both will cause the black endpoint color to shift to an overall gray tone. Since the test requires the appropriate exposure conditions, a test resulting in an overexposure is invalid and must be repeated with correct exposure conditions. (If an indication of overexposure is observed when the correct exposure time is used, the temperature adjustment on the sterilizer may not be accurately calibrated and may require the attention of a qualified mechanic). The appearance of shiny grayish areas is a sign of "wet steam," a condition which requires careful attention to drying of sterilized packages. This condition should be eliminated.
8. The date, the sterilizer number, and the operator's initials can be entered on the Once-A-Day® test sheet following the test. File the exposed test sheet with the appropriate records for that sterilizer.
9. Any result other than a pass must immediately be brought to the attention of the supervisor who will determine whether or not the sterilizer can be used that day, or if it must be shut down until repaired.
10. Discard rest of the unit.

* ANSI/AAMI ST-79:2006, Comprehensive Guide to Steam Sterilization and Sterility Assurance in Health Care Facilities.



Explanation of symbols

- = The date of manufacture
- = The lot number
- = The expiration date

