

## 3M<sup>™</sup> Comply<sup>™</sup> Bowie-Dick Plus Test Pack 00135LF **Interpretation Chart**

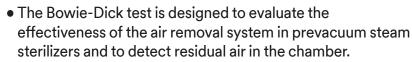


A test for incomplete (132–134°C) in vacuumassisted sterilizers

## 3M Comply **Early Warning**

# **Test Sheet**

## Instructions for use and helpful tips:



• The test is not applicable to gravity-displacement sterilizers.

#### **Test Frequency**

- Run test every day sterilizer is used before the first processed load.
- Run test at same time every day in an otherwise empty

- chamber. The sensitivity of the test is decreased if multiple test packs are run together.

### Warm-up

**Purpose** 

 Run empty cycle to preheat chamber and purge air from steam lines (dry time may be omitted). This ensures accurate test results and helps to avoid false failures.

#### **Test Placement**

 Place one test pack horizontally, label side up, on bottom shelf of sterilizer rack, over drain. Do not place test pack directly on drain or on sterilizer floor or on a basket over the drain.

#### **Test Cycle**

 Run cycle for 3.5 minutes at 270–273°F (132–134°C). Do not run test longer than 4 minutes; results will be invalid. Dry time may be omitted.

#### **Test Results**

- Remove test pack promptly after cycle is complete and allow it to cool. Remove test sheets and interpret results.
- A uniform color change to dark brown/black is a PASS. A non-uniform color change showing a lighter colored area in the center of the test sheet is a FAIL indicating residual air in the sterilizer chamber. (See chart on the left for examples.)
- If test passes, sterilizer can be used.
- If test fails, sterilizer should be removed from use and supervisor should be notified.

## **Record Keeping**

• Maintain all test sheets in records so they are available for comparison to aid in interpretation.

### Common Causes of Bowie-Dick Test Failures Include:

- Inadequate vacuum
- Clogged drain line, vent lines or water supply strainer
- Leak caused by a faulty door gasket or other defect
- Plugged, faulty or maladjusted control valves
- Low steam pressure or water pressure
- Water temperature too high
- Poor steam quality (i.e., non-condensable gases or superheating)
- Variations in steam supply due to increased demand or change of seasons

# air removal, 270–273°F

Unprocessed

## **Test Sheet** 3M Comply™ 00135LF Early Warning Test Sheet

See Instruction Use

## 3M Comply **Bowie-Dick**



**PASS** 

#### Indicator ink circle on Early Warning Test Sheet is as dark as or darker than the color standard and Bowie-Dick Test Sheet shows a uniform color change to dark brown/black.





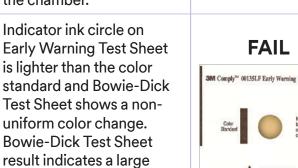
Indicator ink circle on Early Warning Test Sheet is lighter than the color standard but Bowie-Dick Test Sheet shows a uniform color change to dark brown/black. Sterilizer can be used but sterilizer maintenance should be scheduled.





## **FAIL**

Indicator ink circle on Early Warning Test Sheet is lighter than the color standard and Bowie-Dick Test Sheet shows a nonuniform color change. **Bowie-Dick Test Sheet** result indicates a small amount of residual air in the chamber.











amount of residual air in

the chamber.

