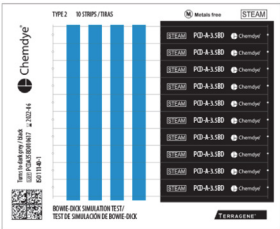


Introduction | Bowie Dick Test

Designed to be used in the Helix-PCD system for assessing air removal and steam penetration of vacuum-assisted steam sterilizers.
Conditions: Bowie & Dick cycle: 3.5 minutes, 134 °C.

For a handpiece to be considered effectively sterilised, steam must contact all external and internal surfaces of the handpiece. To achieve this, air and other non-condensable gases (NCG) must be removed from the sterilisation chamber prior to the sterilant injection.



Device Characteristics

These Helix/Bowie-Dick-PCD devices are made from metal of robust design, The capsule has a screw cap which allows the introduction of the indicator and is connected to a high resistance plastic tube of variable length of 2 mm internal diameter. The plastic tube is helically arranged and it must not be released when using the product. A connector coated and reinforced by an external connector, holds the tube and capsule joint.

Instructions for use | Bowie Dick Test

1. Insert the chemical indicator into the pin of the screw cap; settle the reactive ink toward the capsule lumen, avoiding the folds into the chemical ink.
- IMPORTANT: Avoid the contact between the chemical indicator with the capsule interior surface, because result can be altered.**
2. Reinsert the capsule into the helix device. Place the device into the fabric bag provided.
3. Run a sterilisation cycle. These Bowie Dick Strips are designed for use in cycles of 134 °C at 3.5 minutes.
4. Remove the indicator. Use the results table below to evaluate your result.

Reading the Results | Bowie Dick Test

If the 4 bars of the indicator change from blue to black, then the result is a pass and your steriliser is working correctly. If one bar is different to the final color, then the test is a fail. This could be due to insufficient removal, leakages etc. **We suggest retrying the test once again, before sending the equipment to technical service.** The visual result of the indicator can give you some indication of the specific reason for failure. See below for guidance.

Visual Result	Description
	Sufficient temperature, time and steam penetration.
	Insufficient air removal and steam penetration.
	Temperature achieved, but no air removal and no steam penetration.
	Insufficient temperature and no air removal and no steam penetration.

Example Results | Bowie Dick Test

User & Date	Doris	18/11/2018
Steriliser	Lisa 1	
Batch & Expiry	PCDA35030817. 2022-08	
Paste Indicator Strip		
Program	B	
Temperature	134 °C	
Start Time	10:15am	
Release	☒ Yes	☐ No
Signature		

User & Date	Daisy	19/11/2018
Steriliser	Lisa 1	
Batch & Expiry	PCDA35030817. 2022-08	
Paste Indicator Strip		
Program	B	
Temperature	134 °C	
Start Time	10:00am	
Release	☐ Yes	☒ No
Signature		

FAQs | Bowie Dick Test

Q: Why is the Bowie Dick Test only performed on a Type B & S autoclaves?

A: The Bowie Dick test is only used on Vacuum autoclaves. Type N autoclaves are non-vacuum, as such you do not need to perform a Bowie Dick test on these autoclaves.

Q: How often do i perform the Bowie Dick Test test?

A: The Bowie Dick Test is a **DAILY test**. To be fully compliant perform it everyday.

Q: What do i do if i get a fail result?

A: Reprocess and re-test to confirm that it is a fail result. If on a second test you still recieve a fail contact your local engineer.

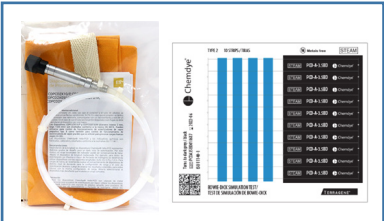
Q: Can i use Helix Strips in this device?

A: Yes this specific PCD (Helix Device) can be used for both a Bowie Dick Test and a Helix Test. You must use the correct strips as defined by your manufacturer.

Q: How many cycles will my Helix Device Last for?

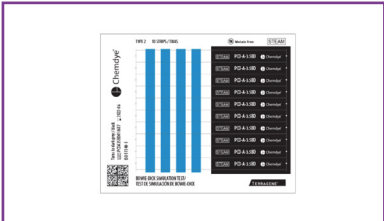
A: The metal capsule is very durable and will last for 500 cycles.

Re-order Codes | Helix PCD



**Helix Device
& 250 Bowie Dick Strips**

Code - Make Pack
code? Doesnt exist



**Bowie Dick Steam Indicator
Strips (Pack of 250)**

Code - PCD-A-3.5BD



Bowie Dick Logbook

Code - LB-QWS-HBD