



# STEAM PENETRATION/AIR REMOVAL (BOWIE DICK) TEST

(Ref. [SOP VAL-175](#))

Project Number	Autoclave Number

## 1. Objective

This test is to be completed once in order to confirm the qualified state of the autoclave for air removal.

## 2. Procedure

2.1 Ensure that a Vacuum Leak Test has been successfully completed. Sign/Date

2.2 Place the Bowie Dick Pack in the chamber and perform Bowie Dick Cycle. Sign/Date

2.3 Record Cycle Number. Cycle Number

2.4 Record pack Batch Number and Expiry Date. Batch Number Expiry Date

2.5 Retrieve the indicator card and complete Table 1. Sign/Date

**Table 1. Results- Bowie Dick Pack**

Acceptance Criteria	Acceptable (Yes/No)	Sign/Date
The indicator card shows a uniform colour change (See Figure 1 and 2) throughout the indicator (attach a picture of the test sheet to this document).		
The card was exposed to the specific temperatures and duration as per the manufacturer's instructions.		

**Figure 1. Test sheet BEFORE processing**  
(Blue colour)



**Figure 2. Test sheet showing PASS condition**  
(Pink colour)



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Sign/Date

2.6 Complete End Cycle Checks (Table 2).

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**Table 2. End of Cycle Checks- Bowie Dick Pack**

Acceptance Criteria	Acceptable (Yes/No)	Sign/Date
No alarms observed during cycle.		
The process record, chart recorder print out, indicator card and picture has been attached to the protocol.		

Sign/Date

2.8 Attach a picture of the test sheet result to this document.

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### 3. Completion

Upon completion of this test attach all documentation to the Validation Protocol.