

Quarterly Test Sheet A - Small Steam Sterilizer with Type-B or S Cycles (SHTM 01-05)

To be filled in along with Quarterly Test Sheet B (FAC414-051.04) to complete a Quarterly Test. Tests to be carried out in accordance with Scottish Health Technical Memorandum (SHTM) 01-05 Part B.

Table 1 - Record details

Hospital/ Location		Week beginning		Week number	
Department		Ref number		Serial number	

Safety Checks

Table 2 - Weekly safety checks. Tick if satisfactory

Door pressure interlock		Door seal		Water conductivity <35µS/cm		Door closed interlock	
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Vacuum Leak Rate Test Empty Chamber

Table 3 - Vacuum leak rate test empty chamber

Cycle Number:			
	Time (min:sec)	Pressure (mbar/kPa)	Outcome
Pressure when pump stopped			
Pressure after 5 minutes (P1)			
Pressure after further 10 minutes (P2)			
Leak rate per minute (P2-P1)/10			
Leak rate <1.3 mbar (<0.13 kPa)/min	N/A	Yes/ No	Pass/ Fail

Automatic Control Test (Bowie Dick or Helix Test)

Table 4 - Automatic control test table

Pack/indicator type		Cycle selected		Start cycle t1=0
			mbar/kPa	Time (min:sec)
Cycle number		Evacuation to		
Pulse number	1	2	3	4
Time at peak				
Max indicated temp (°C)				
Max pressure (bar/kPa)				
Min pressure (bar/kPa)				
	Time (min:sec)	Drain/vent temperature (°C)		Chamber pressure (bar/kPa)
Final evacuation at (t2)		Indicated	Recorded	Indicated Recorded
Sterilizing temp at (t3)				
Instrument readings (t3+1)				
Instrument readings (t3+2)				
Instrument readings (t3+3)				
Drying stage starts at (t4)		Minimum pressure	mbar/kPa	
Air replacement starts (t6)				
Process complete at (t7)		Indicator sheet result	Pass/ Fail	
	Time (min:sec)			Time (min:sec)
Final evacuation to sterilizing (t3-t2)		Air removal time (t2-t1)		
Time at sterilizing (t4-t3)		Sterilizing stage time (t4-t2)		
Air replacement time (t7-t6)		Drying stage time (t6-t4)		
Total cycle time (t7-t1)				

Air Detection System Function Test

Table 5 - Air detection system function test

Pack type		Leak rate setting to reject cycle (from annual test results)	mbar/min kPa/min
Cycle number		Air detector setting	
Air detector reached		Result of test	Accept/ Reject Satisfactory / Unsatisfactory

Faults Record

Table 6 - Faults record (new or existing). Also enter in plant history record in FAC414-051.01

Fault comments

Test Outcome

Table 7 - Table to record test outcome

Test result	Satisfactory/ Unsatisfactory	Sterilizer fit for use?	Fit/ Unfit
Competent Person (Decontamination) (CP(D))		User	
Date		Date	