

Level 2 Certificate: Infection Prevention and Control (IPC) Lead <u>Module 5</u>

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Module 5 Aim

For students to gain further knowledge and understanding of the tests and audits required for a dental practice.

Module 5 Objectives

By the end of this module, students will be able to:

- Demonstrate knowledge of the daily and weekly tests required.
- Describe confidently how to complete all essential logs.
- Create a steriliser log book to comply with HTM 01-05. (continued)



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Module 5 Objectives (continued)

- Describe points to be considered when buying/replacing dental equipment.
- List the stages in completing a foil test.
- Describe single-use items and their importance.
- Demonstrate knowledge of how to use infection control audits and of their frequency.
- Explain how to conduct the perfect spot-check and what to look for.



Steriliser Daily Tests

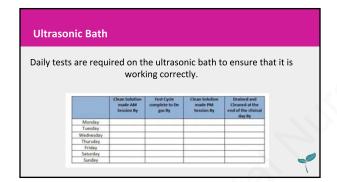
- Test cycle to warm up your steriliser
- Free from instruments, have all trays present, and have a test strip inside.

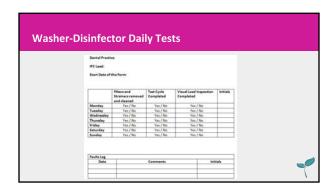


Steriliser Daily Tests Sterilise Daily Test Sheet Steril

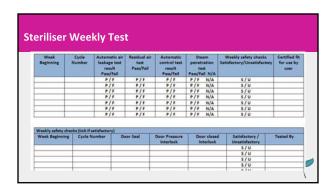
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Ultrasonic Bath Weekly Test

You are required to complete the following weekly tests on the ultrasonic bath:

- Protein residue test.
- Soil test.



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	Ī	Vasher-di	isinfector	Weekly Te	sts	
	ental Practice: Feek 1			IPC Lead:		
Di	ste	Protein Test	Batch No	Expiry Date	Initials	
Di	ate	Door Seal Chec	ked / Comments	- VI	Initials	

Steriliser Log Book

In HTM 01-05 Chapter 11, it states the following:

'Documentation provides the only evidence of completed work.
Absence of documentation for any work item will indicate
omission of that Item. It is important that all documentation
relating to decontamination equipment is up-to-date and is
retained locally for audit/inspection purposes.'



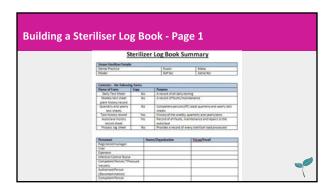
Steriliser Log Book

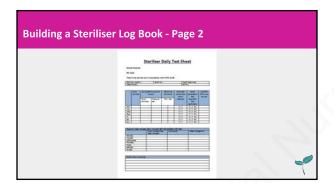
Each steriliser should have its own log book. In each log book, the following should be present:

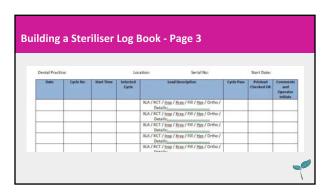
- Validation report, ideally from an authorising engineer.
- Performance qualification details.
- Log book of periodic testing.
- Log book of plant history.
- Process log.
- Training and competency records.



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Week Beginning	Cycle Number	Automatic air leakage test result Pass/Fail	Residual air test Pass/Fail	Automatic control test result Pass/Fail	Steam penetration test Pass/Fail N/A	Weekly safety checks Satisfactory/Unsatisfactory	Certified fit for use by user
		P/1	P/F	P/F	P/F N/A	5/U	
		P/F	P/F	P/#	P/F N/A	\$/U	
		P/F	P/F	P/F	P/F N/A	5/U	
		P/F	P/F	P/F	P/F N/A	\$/U	
		P/F	P/F	P/#	P/F N/A	\$/0	
		P/F	P/F	P/F	P/F N/A	5/U	
		P/F	P/F	P/F	P/F N/A	5/U	
/eekly safety ch Wack Beginning			oor Seal	Door Pressure Interlock	Door close Interlock	Unsatisfactory	Tested By
						S/U	
						s/U	
						s/U	
						5/U	

Building a Steriliser Log Book - Page 5 Copies of all receipts for the week or printed versions from the card reader.

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				8						
			S	terili	zer History	Record	Sheet			
				term.	er matory	Record	Jileet			
Type of Autoclave: Dental Practice:				T Start Di	Start Date For This Sheet:					
Department Location:					Reference No: Serial No:					
Faults Reco			-	Minmora	Notedand	Mainter	nance Record	***************************************	-	
Number	Oute	Cycle Number	Details of F	put.	reported by	Cute	Fault Number	Maintenance record- including servicing as well as fault finding	Carried	
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Building a Steriliser Log Book - Page 7 There should be copies of the quarterly and yearly steriliser tests. These are usually carried out by an engineer and will include: Quarterly: • Thermometric tests **Building a Steriliser Log Book - Page 7** Yearly: Steam generator overheat cut-out test Thermometric tests Small load Large load **Building a Steriliser Log Book - Page 7** Yearly: **Dryness tests** Small load Large load

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Building a Steriliser Log Book In the back of this file, you are required to place: • Validation report from engineer. • Training and competency certificates. • History from the previous six months of tests before archiving within the dental practice.

Buying New Equipment

You should also think about the following:

- Size.
- Model.
- Type.

Buying New Equipment

Important questions to ask include:

- Can the piece of equipment you are choosing match your workload requirements?
- Do you have the space?
- Is service infrastructure available?



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Buying New Equipment

Other main points to take into consideration are:

- Will it be fit for purpose and compatible with other equipment?
- What are the manufacturer's recommendations for staff training, and are they achievable?
- Do the cleaning agents recommended comply with COSHH and health and safety requirements?
- What commissioning and validation is required, and are there ongoing costs?

Buying New Equipment

The most important features to consider when purchasing a new ultrasonic bath are:

- Compliance with electrical safety regulations.
- A polished, stainless-steel construction with rounded corners to aid cleaning.
- A reservoir drainage system that does not leave pools of fluid.
- Integral purpose-built holding basket.
- An auto-locking hinged lid (if this isn't available, HTM 01-05 states that a clear label should warn users not to put their hands in the device when it is activated).

Foil Testing

You will need:

- Adhesive tape such as masking tape.
- Aluminium foil.
- Watch or clock with a second hand.
- Ruler or tape measure.



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Foil Testing

Method:

- 1) Cut foil into lengths of 120mm (longer than the bath is deep).
- 2) Roll up one end of each of the foil strips so they are now as long as the bath is deep.
- 3) Ensure the bath is filled with the correct amount of water and detergent and is at the correct temperature.
- 4) Place on a test cycle to de-gas. (continued)



Foil Testing (continued)

- 5) Create a 3×3 grid across the top of the bath with the adhesive tape.
- 6) Suspend nine foils strips across the grid, ensuring that the rolled-up ends are near the bottom of the bath but not touching the floor of the bath.
- 7) Number the foil strips 1-9. (continued)



Foil Testing (continued)

- 8) Place the bath on a normal cycle as stated in the manufacturer's instructions.
- 9) Remove the foil strips carefully, blotting them dry and sellotaping them in number order onto a plain sheet of paper.
- 10) Your bath should now be drained and cleaned to ensure foil particles are removed.



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Foil Testing Test results Satisfactory On examination of the foils, areas showing maximum erosion should be at a similar position on all nine foils, and they should be eroded to a similar extent. This shows the waves are consistent throughout the bath. **Foil Testing** Test results Unsatisfactory If the foils do not pass as satisfactory on examination, a re-test should be performed. If the pattern is not consistent on both tests, this indicates poor uniformity of cleaning. **Foil Testing** Reasons for failure Poor uniformity Significant changes between tests No erosion pattern

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Single-Use Items

Single-use items should be used where instruments are difficult to clean.

In dentistry, this should include:

- Matrix bands.
- Saliva ejectors.
- Aspirator tips.
- 3-in-1 tips.





IPC Audits

- Available to the inspecting bodies when needed.
- Audit documents should be kept for a minimum of two years

IPC Audits

Stated in HTM 01-05:

• IPS Audit 6 monthly - this can be found and downloaded online.

Recommended to ensure full compliance and keep on top of changes:

- Hand Hygiene Quarterly
- Personal Protective Equipment Quarterly
- Sterilization Process Quarterly
- Hazardous Waste Quarterly



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IPC Audits Spot Check Clean and uncluttered Consumables all in date Free from dust and dirt All checklists completed Surgery is zoned correctly Watch them treat a patient and wipe down

Summary: Module 5

- Daily and weekly tests
- Building the steriliser log book
- Buying new equipment
- Audits and spot checks
- Single use items

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