

Thermal Washer Disinfector Logbook

Revised to be in compliance with SHTM 01-01: 2018

Hospital / Location	
Department	
Reference Number	
Serial Number	
Start Date for Logbook	

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NHSScotland Thermal Washer Disinfector Logbook Form (TWDLOG)

In accordance with SH								
WASHER DISINFECTO	R DETAILS -	This logbook	ok covers 1 year beginning					
Hospital/Location			Manufacturer					
Department			Ref No.	ef No. Ser No.				
CONTENTS								
Included in this folder are the	ne following forr	ns :-						
Name of form	Code		Purpose					
Plant Test History Record	PTHR1			all routine testing for a	a year			
Plant History Record	PHR1			faults/maintenance	•			
Daily Test Sheet	TWD1		Daily test sh	neet covering a week's	tests			
Weekly Test Sheet	TWD2		CP(D)'s we	ekly test sheet				
Quarterly Test Sheet	TWD3A			arterly test sheet				
Quarterly Test Sheet	TWD3B			arterly test sheet				
Yearly Test Sheet	TWD4			arly test sheet				
QA exercise for testing	n/a		Refer to SH	ITM 01-01 Part A 12.2	24			
protein levels on RMDs								
PERSONNEL			(name/organis	sation)	Tel No.			
Management								
User								
Operator(s)								
Competent Person(pressur	e systems)							
Authorising Engineer (Deco								
Authorised Person (Decont								
Competent Person(s) (Dec	ontamination)							
Infection Control Manager/I	Decon Lead							
ICD/Microbiologist (Decont	amination)							
Note that the personnel nar	med in the last	7 categories sl	nould have appropria	ate qualifications/ traini	ng/ registration			
PRESSURE SYSTEMS SA	AFETY REGULA	ATIONS 2000	AND PRESSURE E	QUIPMENT REGULA	TIONS 2016			
This section to be filled in b								
covered by the Regulations		,		·				
Written scheme of inspection		able						
Examination carried out on	Date		Inspected by					
Result of examination / con	nments							
REVIEW BY AUTHORIS	SING ENGINE	ER (Decont	amination)					
Date Comments o		,	,		Signature			
					,			
 								
 								
 								

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NHSScotland - Daily Test Sheet Thermal Washer Disinfector Form (TWD1)

Tests to be carried out in accordance with SHTM 01-01: 2018 - Part D (3.47 periodic testing & section 4 table 7)

Location	Week beginning	Week
Department	Ref No.	Ser No.

AUTOMATIC CONTROL TESTS. Are multiple pre-set cycles available and used ? (YES/NO). If yes the cycle selected for the test should be rotated among those used. This should include a WD self disinfection cycle if available.									
Time/temperature required for thermal disinfection (tick box as applicable) As A _O of 600 or greater required 600 then 70/75 °C for 100 mins □ 80/85 °C for 10:00 mins □ or 90/95 °C for 1:00 min □									
	Cycle	Cycle	Disinfection	Disinfection	Cycle	Result of test	Certified fit for use	PCD test	
	number	selected	temperature	hold Time	complete		by User	optional	
	mid hold min:sec indication								
Monday			°C	:	YES/NO	PASS/FAIL			
Tuesday			°C	:	YES/NO	PASS/FAIL			
Wednesday			°C	:	YES/NO	PASS/FAIL			
Thursday			°C	:	YES/NO	PASS/FAIL			
Friday			°C	:	YES/NO	PASS/FAIL			
Saturday			°C	:	YES/NO	PASS/FAIL			
Sunday			° C	:	YES/NO	PASS/FAIL			
•			° C	:	YES/NO	PASS/FAIL			

	HOUSEKEEPING										
	Check door seals for any wear /tears	Check grommets / seals holding control probes etc for deterioration	Remove and clean strainers and filters	Check spray arm for rotation/free movement and blockages (on machine)	Check spray nozzles for blockage (paying particular attention to those fitted to carriages for cannulated instruments) (load carriers)	Detergent levels - Ensure sufficient additives available and that dosing system is functioning					
Monday					·						
Tuesday											
Wednesday											
Thursday											
Friday											
Saturday											
Sunday											

FAULTS-NEW OR EXISTING-ALSO ENTER IN PLANT HISTORY RECORD							

Location



Week

NHSScotland - Weekly Test Sheet Thermal Washer Disinfector Form (TWD2)

Tests to be carried out in accordance with SHTM 01-01: 2018 - Part D (3.47 periodic testing & section 4 table 7)

Week beginning

Department				Ref No.		Ser No.	Ser No.			
AUTOMATIC CONTROL TEST- Use a stopwatch for timings where no independent recorder is fitted.										
Where multiple pre-set cycles are available and used, the cycle selected for the test should be rotated										
among those used. This should include a WD self disinfection cycle if available.										
Cycle selected		Су	cle count n	number						
Details of load										
Time/temperature re	quired for th	ermal disin	fection (tick	box)						
					_					
As Ao of 600 or grea	iter required	then 70/75	5°C for 100	mins □ 80/85 °	°C for 10:00 min	s 🗆				
or 90/95 °C for 1:00			1	1		1				
Start t=0	Time	Time	Time for	Indicated	Recorded	Water pump	Time / temp			
	stage	stage	stage	temperature	temperature	pressure mid	within limits			
	starts	ends		mid stage	mid stage	stage				
Pre Rinse	:	:	:	°C	°C	bar	PASS/FAIL			
Pre-wash	:	:	:	°C	°C	bar	PASS/FAIL			
Wash	:	:	:	°C	°C	bar	PASS/FAIL			
Rinse	:	:	:	°C	°C	bar	PASS/FAIL			
Ultrasonic	:	:	:	°C	°C	bar	PASS/FAIL			
Rinse	:	:	:	°C	°C	bar	PASS/FAIL			
Disinfect / rinse	:	:	:	°C	°C	bar	PASS/FAIL			
Time above °C	:	:	:	°C	°C	bar	PASS/FAIL			
Drying	:	:	:	°C	°C		PASS/FAIL			
Cooling	:	:	:	°C	°C		PASS/FAIL			
Total cycle time		:					PASS/FAIL			
Visual display of cycl			YES / NO							
Cycle variables withi			YES / NO	Disinfection t	time / temperatu	re within limits	YES / NO			
Door(s) remain locke	ed until cycle	e complete	YES / NO							
·	, ,									

WEEKLY CHECKS									
Doors seal integrity satisfactory YES / NO									
Spray check Ro	tation of arms] Nozzles							
Final rinse water quality	Conductivity	μS/cm		Satisfactory	YES / NO				
Water Hardness (mg/L) -	Wash Stage:	Disinf	fect Stage	e:	Satisfactory	YES	S / NO		
Cleaning efficacy test- residu	ual soil detection	Type of test u	sed		Result PASS /	FAIL			
Comments									
Pre wash detergent level che	ecks Level	Amount used	in week	Suff	icient left for comin	g week	YES / NO		
Wash detergent level checks	s Level	Amount used	in week	Suff	ficient left for comin	g week	YES/ NO		
Ultrasonic Detergent level ch	neck Level	Amount used	in week	Suff	icient left for comin	g week	YES / NO		
Clean out chamber / filters									
Emergency stop satisfactory	YE	ES/NO							
Doors interlock checks satisf	factory \	YES / NO							

FAULTS-NEW OR EXISTING-ALSO ENTER IN PLANT HISTORY RECORD							

TEST RESULT SATISFACTORY/UNSAT	ISFACTORY	WASHER DISINFECTOR IS FIT/UNFIT FOR USE			
CP(D)	DATE	USER	DATE		

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NHSScotland-Quarterly Test Sheet Thermal Washer Disinfector Form (TWD3A)

Tests to be carried out in accordance with SHTM 01-01: 2018 – Part D (3.47 periodic testing & section 4 table 7)

Location Week beginning Week

Location					vveek begin	iiig		reek	
Department Ref No. Ser No.									
AUTOMATIC CO	NTROL	. TEST	Use a	stopwatch fo	r timings. W	here multiple	e pre-set o	cycles are	available
and used, the cyc									
a WD self disinfed									
Cycle selected				cle count nur			, 1001.		
Details of load			Uy	olo oddili ildi	TIDOI				
	_4			-1:	Dia assistant a				
Measured temper						ensor			
Time/temperature re	equired	for thern	nal disin	itection (tick b	ox)	0 0 for 40.0	· · · · · · · · · · · · · · · · · · ·		
As A _O of 600 or gre or 90/95 °C for 1:00	ater req	uirea - 1	tnen 70/	75 °C for 100	mins 🗀 80/8	35 °C for 10:0	00 mins ⊔		
Start t=0			T:	la dia ata d	Dagardad	Manageman	Matan	Measured	Time a / to main
Start t=0	Time	Time	Time	Indicated temperature	Recorded temperature	Measured temperature	Water	pump	Time / temp
	stage starts	stage ends	for	mid stage	mid stage	mid stage	pump pressure	pressure	within limits
Dro Dinos			stage	°C	°C	°C			PASS/FAIL
Pre Rinse	:	:	:	°C	°C	°C	bar	bar	
Pre-wash	-	-	:	°C	°C	°C	bar	bar	PASS/FAIL
Wash	:	:	:		°C	°C	bar	bar	PASS/FAIL
Rinse	:	•	:	°C			bar	bar	PASS/FAIL
Ultrasonic	:	:	- :	°C	°C	°C	bar	bar	PASS/FAIL
Rinse	:	:	:	°C	°C	°C	bar	bar	PASS/FAIL
Disinfect / rinse	:	:	:	°C	°C	°C	bar	bar	
Time above °C	:	:	:	°C	°C	°C	bar	bar	PASS/FAIL
Drying	:	:	:	°C	°C	°C			PASS/FAIL
Cooling	:	:	:	°C	°C	°C			PASS/FAIL
Total cycle time		:							PASS/FAIL
Calibration of instru		<u>ithin lim</u>	its YES	S/NO	If not, ther	note inaccui	racies belo	w, and actic	n.
Outstanding inaccur									
If any calibration has	s been o	changed	l during	this quarterly	test, note belo	w with initial	error		
Visual display of cyc				YES / NO					
Cycle variables with				YES / NO	Disinfection	time / tempe	rature withi	n limits	YES / NO
Door(s) remain lock	ed until	cycle co	mplete	YES / NO					
WEEKLY CHECK	(S								
Doors seal integrity	satisfa	ctory	YE	S/NO					
Spray check	R	otation o	of arms	□ Nozz	zles 🗆				
Final rinse water qu	ality	Cond	ductivity	μS/cm	n satisfa	ctory YES	/ NO		
Cleaning efficacy te				est used		•	Pass / Fai	I	
Comments		•	<u> </u>						
Details of chemicals	Pre wa	ash		Was	sh	Ultras	sonic		
Pre wash detergent le			Level		used in week			oming week	
Wash detergent level checks Level Amount used in week Sufficient left for coming week □									
Ultrasonic tank deterge	Ultrasonic tank detergent level checks Level Amount used in week Sufficient left for coming week								
Clean out chamber	/ filters		E	Emergency sto	p satisfactory	YES / NO	Doors	interlock ch	necks (as
detailed in form TW	<i>'D4</i>) sat	isfactory	/ YES	S / NO					
FAULTS-NEW OF	R EXIS	TING-A	LSO E	NTER IN PL	ANT HISTO	RY RECOR	RD		

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TEST PERSON

TEST RESULT SATISFACTORY/UNSATISFACTORY

USER

DATE

WASHER DISINFECTOR IS FIT/UNFIT FOR USE

DATE



NHSScotland - Quarterly Test Sheet Thermal Washer Disinfector Form (TWD3B)

To be filled in along with the Tests to be carried out in	Quarterly Test S accordance wit	Sheet TWD: h SHTM 01	3A to comp -01: 2018	olete a Qu – Part D (:	arterly Te 3.47 periodio	St. c testing & section	ı 4 table 7)
Location	ocation			nning		Week	
Department		Ref No.			Ser No.		
THERMOMETRIC TEST	FOR THERMA	L DISINFE	CTION				
Cycle selected	Cycl	e count nui	mber				
Details of load	<u> </u>						
Time/temperature required			•				
As A_O of 600 or greater req or 90/95 $^{\circ}$ C for 1:00 min \Box]						
Temperature sensor type / location	Load item if a	applicable	Disinfect hold time	Temp. at start of stage	Temp. at end of stage	Within 2 ° C of measured control sensor	Time / temp within limits
Machine control (sump)			:	°C	°C	YES/NO	PASS/FAIL
Measured sensor by above			:	°C	°C	(control)	PASS/FAIL
Machine recorded /printed	Location		:	°C	°C	YES/NO	PASS/FAIL
Measured sensor by above			:	°C	°C		PASS/FAIL
Top load carrier			:	°C	°C		PASS/FAIL
Middle load carrier			:	°C	°C		PASS/FAIL
Bottom load carrier			:	°C °C	°C °C		PASS/FAIL
Slowest region*			:	°C	°C		PASS/FAIL PASS/FAIL
Fastest region* *The items in slowest and fa	etect positions to	dicinfoction	tomp may	•		 middle or betten	
items Fluctuation of measured loa	•						
Fluctuation of measured loa	au temps within z	C TES/INC	J Ivieasure	u loau teri	ıps witiliii 4	- C 1E3/	INO
CLEANING EFFICACY 1	TESTS AND CH	EMICALS	HEED				
Chamber walls, load carrier Soil type used				sh stage. I	Each cycle	available should	d be tested.
Load type	Cycle selected	Cycle num	ber Res	ult		Comments	
,			PASS/	/FAIL			
			PASS/	/FAIL			
			PASS/				
			PASS/				
			PASS/				
			PASS/				
			PASS/				
			PASS/				_
Details of detergents used	Pre-wash		Main wash	ı AIL	I III	trasonic	
Details of other chemicals u		l or lubricant			Oil		
Note that any change to the				lidation of	the WD.		
· •	<u>-</u>		•				
FAULTS-NEW OR EXIS	TING-ALSO EN	TER IN PL	ANT HIST	ORY REC	ORD		
TEST RESULT SATISFACT	CODV/LINICATICE	ACTORY	/// A S LI E	D DISINE	CTOP IS	IT/UNFIT FOR	LISE

DATE

USER

DATE



NHSScotland-Yearly Test Sheet Thermal Washer Disinfector Form (TWD4)

To be filled in along with Quarterly Test Sheets TWD3A and TWD3B to complete a Yearly Test. Tests to be carried out in accordance with SHTM 01-01: 2018 – Part D (3.47 periodic testing & section 4 table 7)

Location	Week beginning	Week
Department	Ref No.	Ser No.

DETERGENT AND OTHER CHEM	ICALS			
Manufacturer of detergent / chemical				
Name of detergent / chemical				
Type of detergent				
Recommended dosage	ml/litre g/litre μS/cm	ml/litre g/litre μS/cm	ml/litre g/litre μS/cm	ml/litre g/litre μS/cm
Volume of water from manufacturer	litres	litres	litres	litres
Measured volume of water	litres	litres	litres	litres
Measured chemical dose	ml	ml	ml	ml
Measured concentration ml/litre	ml/litre	ml/litre	ml/litre	ml/litre
Recommended temperature range	°C	°C	°C	°C
Actual measured temp. range	°C	°C	°C	°C
Note: Where recommended dosage is	expressed as %, mult	tiply by 10 to get ml/lit	re. 1 cc=1 ml. 1000	Oppm=1 ml/litre
Comments				

YEARLY SAFETY, FAULT AND F	AIL CHEC	CKS		
Chemical dosing low level test				Satisfactory - Yes/No
Over temperature protection				Satisfactory - Yes/No
Sensor failure : pressure				Satisfactory - Yes/No
Sensor failure : temperature				Satisfactory - Yes/No
Low pump pressure switch setting	bar	tested pressure	bar	
Door check : cycle start				
Door check : locked in cycle				
Door check : double door				
Door check : cycle fail lock				Satisfactory - Yes/No
Load carrier checks				
Alignment with water connection				
Spray arms				
Ultrasonic activity test if applicable				

ENVIRONMENTAL TESTS	
Air quality test	Satisfactory - Yes/No
Aerosol discharge	Satisfactory - Yes/No
Water vapour discharge	Satisfactory - Yes/No
Rinse water chemical purity	Satisfactory - Yes/No
Rinse water endotoxin	Satisfactory - Yes/No
Process residues: chemical additives	Satisfactory - Yes/No
Load dryness	Satisfactory - Yes/No
Free draining	Satisfactory - Yes/No
Efficacy of drain discharge trap	Satisfactory - Yes/No

TEST RESULT SATISFACTORY/UNSATI	SFACTORY	WASHER DISINFECTOR IS FIT/UNFIT FOR USE				
CP(D)	DATE	USER	DATE			



NHSScotland - Plant Test History Record Sheet-Form (PTHR1)

Type of equipment		
Hospital/Location	Start date for this sheet	
Department	Ref No.	Ser No.

WEEKLY T	EST RECORD										
Week number	Date of weekly	Tester initials	Week number	Date of weekly	Tester initials	Week number	Date of weekly	Tester initials	Week number	Date of weekly	Tester initials
Tiurriber	test	IIIIIais		test	IIIIIais		test	IIIIIais		test	IIIIIais
1			14			27			40		
2			15			28			41		
3			16			29			42		
4			17			30			43		
5			18			31			44		
6			19			32			45		
7			20			33			46		
8			21			34			47		
9			22			35			48		
10			23			36			49		
11			24			37			50		
12			25			38			51		
13			26			39			52		

QUARTERLY TEST RECORD											
Week number	Quarterly test date	Tester initials	Week number	Quarterly test date	Tester initials	Week number	Quarterly test date	Tester initials	Week number	Quarterly test date	Tester initials

YEARLY T	EST RECORD	Week number.	Yearly test date	Tester initials	Week number	Yearly test date	Tester initials		

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NHSScotland - Plant History Record Sheet-Form (PHR1)

Type of equipment				
Hospital/Location Start date for this sheet				
Department	Ref No.	Ser No.		

FAULTS	FAULTS RECORD						MAINTENANCE RECORD					
Fault number	Date	Cycle number	Details of fault	Noted and reported by		Date	Fault number	Maintenance Record-include PPM as well as fault finding details.	Carried out by			
									-			
-						-						
									1			

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