# Form B03 Scheduled Maintenance Work Order



Quantum Medical Solutions adm bibd transomaling houndarks, transforming life

Format Ref: - QMS/TSD-022 Rev.01

Work Order No.	PWO371794	Schedu	le Month	March 2018							
Work Order Date	01/03/2018	Comple	ted Date	27/3/2018							
Clinic Name	Klinik Pergigian Sekolah Rendah Jenis	Clinic C	ode	WPL004							
BE No.	WPL000050	Distict		LABUAN							
BE Category	Sterilizing Units, Steam	WO Ass	igned to	Che Muhammad Atillah							
Ownership	Existing Equipment		Purchase								
BE Condition	✓ Active	BER Proposed									
Work Order Type	Preventive Maintenance (PM)	Third Party Calibration (TPC)									
Work Order Type	Routine Inspection (RI)		Statutory Certificati	on (SC)							
Reschedule Date											
BE Third Party Calibration	ı / Statutory Certification Details										
Company Name	ALA .	Cal / Ce	ert Date	AA.							
Contact Number	/ / / / /	Cal / Ce	ert Expiry Date								
Action Taken  L) When chass, fittings extre cables, PCB Board, fuse, Door took lock,  agricult door and valve.  L) Clean exterior and inferior then do some alignent.  L) Flow Perfor fest, unit running well (Pa Fancioninh's Gar)  Schedule Maintenance Execution Details											
Schedule Maintenance E	xecution Details										
SI No	QMS Engineer / Technician Name		Date	Start Time	End Time						
	CUT MARK TO LEAD PITTO TO TO TO TO THE AREA		21/2/2018	1000	11 00						
Customer Remarks											
BOMEON	iture LA 1970, n-122 (%) L 1970/1980/AN, QUIS 1978	Customer Signature  Name  HERMAN NOWI  Designation  Juruteknoicgl Pergigian  Customer Signature  Name  HERMAN NOWI  Designation  Minik Pergigian  Labuan  Minik Pergigian Labuan  Seal  W. P. LAB									

For Internal Use

First Verification

QMS Circle Incharge

JULIUS IJANSUN BIOMEDICĀL ANGINEES, QMS 019-3620179

Final Verification QMS State Incharge





# Quantum Medical Solutions Sdn Bhd

BEMS Planned Preventive Maintenance Checklist Sterlizing units, Steam BE CODE: 13-746

CHECKLIST NO: CL.-148 REV.000

PART 1	ASSET DETAILS							
WORK C	ORDER NO > pwo	ろみりみ	14			37.00.770.004	ASSET NO	~ 1 Roos v 50
MANUFA	CTURER - ~	14					MODEL	· NI
FREQUE	NCY ► 3 MONTE	HLY ( )	6 MC	NTHLY		12 MONTHLY	( ) PPM HOURS	<b>^</b> (.0
PART 2	SPECIAL PRECAUTION							Office with Constitution Co.
	evidence of body fluid contain				eaning	and decontamination	on before inspecting it.	
	propriate Personnel Protection							
	unded electrostatic wristband							
	he safety procedure for addition			iidance as	s per m	anufacturer guideli	nes.	
	e the test equipment used are	e duly calibral	iea.				anders on the state of the	
	where appropriate							
NO	ASSET NO		D	ESCRIP	rion		SERIAL NO	CALIBRATION DUE ON
	TEESAOOSS	ELECTRICA	AL SAFETY	ANALY	ZER		3227029	10/1/2019
	NA	PRESSURE					1057 104	Ma
	104	THERMOM						A.A
	NV	INERIVION	EIER				NA	MA
	QUALITATIVE TASKS							
Tick (∜)	where appropriate	F	PASS F	'A!L	NA			PASS FAIL NA
	ssis - verify physical integrity, nliness and condition		/) (	) (	)	9 Over pressure integrity	e cut of valve - Verify physical	( ) ( ) ( )
	er Cord - verify proper insulat	ion (	/)(	) (	)	10 Door lock - Ve	erify physical integrity	(/)()()
	in Relief - verify physical integ oth ends of line cord	grity (	/)(	) (	)	11 Door gasket \	/erify physical integrity	(/)()()
4 Fitti	ngs/ Connectors - check all gs/connectors	(	/) (	) (	)	12 Check water	tank leak	(/)()()
5 Con	trols/Switches - verify proper	(	, /)(	) (	)	13 Check drain v	alve -Physical integrity	(/)()()
оре	ration of controls		•					
	cators/ Displays - verify prope nination and operation	г (	/)(	) (	)	14 Check label		(/)( )( )
7 Che	ck fuse, circuit breaker	(	/)(	) (	)	15 Calibration		( )( )(/)
8 Hea	ter - verify physical Integrity	(	/)(	) (	)			
PART 5	PREVENTIVE MAINTENAN	ICE TASKS						
Tick (√)	where appropriate							
			OONE D	ONE	NA			NOT DONE DONE NA **
	an exterior and interior of the ipment	(	/)(	) (	)	4 Lubricate all	moving parts	(/)( )( )
2 Che	eck / r <del>eplace-</del> gasket ***	()	/)(	) (	)	Notes:		
3 Che	eck/ clean solenoids	(	/ )(	) (	)	** If yo	all Parts, NA is defined as NOT u have ticked 'NOT DONE', the ose Whichever Applicable	



WORK Order No

## Quantum Medical Solutions Sdn Bhd

BEMS Planned Preventive Maintenance Checklist Sterfizing units, Steam BE CODE : 13-746

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CHECKLIST NO: CL-148 REV.000

												-					
	RT 6 SERVICE CHECKLIST	Checked	Servi Clea		Repla	aced		ot cable	No	Description	Checked	Servi ea	ce/CI an	Repli	aced	No Applie	ot cable
1	Fuse 2A-Transformer		(	)	(	)	(	)	17	Pressure Transducer	(/)	(	)	(	)	(	)
2	Fuse 2A-PC Board	(/)	(	)	(	}	(	)	18	Pressure Gauge	(/)	(	)	(	)	(	)
3	Fuse 2A-Main Supply		(	)	(	)	(	)	19	Safety Valve	(/)	(	}	(	)	(	)
4	Fuse Relay Board 5A & 2A	( <u>/</u> )	(	)	(	.)	(	)	20	Air Valve/Steam Solenold Valve	(/)	(	)	(	)	(	)
5	Transformet	<b>(</b> /)	(	)	(	)	(	)	21	Discharge Valve	(/)	(	)	(	)	(	)
6	Printed Circuit Board	( )	(	)	(	)	(	/)	22	Infill Valve	(/)	(	)	(	)	(	)
7	Main Control Board	( / )	(	)	(	)	(	)	23	Heating Element	(ノ)	(	)	(	)	(	)
8	Control Board	(/)	(	)	(	)	(	)	24	Heat Exchanger	( )	(	)	(	)	(	)
9	Fan Running Rear & Side	( )	(	)	(	)	()	/)	25	Vacuum Pump	Ź	(	)	(	)	(	·)
10	Battery Heater Dry Cycle	(/)	(	)	(	)	(	)	26	Door Gasket	(/)	(	)	(	)	(	)
11	Water Resevoir Float Switch	(/)	(	)	(	)	(	)	27	Silicone Washer	( )	.(	)	(	)	(	)
12	Water Level Sensor	(/)	(	)	(	)	(	)	28	O Ring	(/)	(	)	(	)	(	)
13	Water Resevoir	( /)	(	)	(	)	(	)	29	Chamber Guard Seal	(/)	(	)	(	)	(	)
14	Electric Door Lock	(/)	(	)	(	)	(	)	30	Solid State Relay	(/)	(	)	(	)	(	)
15	Pressure Door Lock	(/)	(	)	(	)	(	)	31	Thermostat Assembly	(8	(	)	(	)	(	)
16	Discharge Door Lock	(/)	(	)	(	)	(	)	32	Water Filter	( )	(	)	(	)	( ,	/)
<del></del>																	

13 Water Resevoir	(/)	(	)	(	)	(	)	29	Chamber Guard Seal	(/)	(	)	(	)	( )
14 Electric Door Lock	(/)	(	)	(	)	(	)	30	Solid State Relay	(/)	(	)	(	)	( )
15 Pressure Door Lock	(/)	(	)	(	)	(	)	31	Thermostat Assembly	(8	(	)	(	)	( )
16 Discharge Door Lock	(/)	(	)	(	)	(	)	32	Water Filter	( )	(	)	(	)	(/)
DART 7 Technising Population													77.7		
PART 7 Technician Remarks															
													<del></del>		

# Quantum Medical Solutions Sdn Bhd

BEMS Planned Preventive Maintenance Checklist Sterilzing units, Steam BE CODE: 13-746

CHECKLIST NO: CL-148 REV.000

WORK ORDER NO >

1794 pwo

PART 8	QUANTITATIVE	TASKS	6112 SSE							
$Tick(\sqrt{\prime})$	where appropriate			T		B.F.				
No		Description		Units / UOM	Set Values	Measured Values	Limit/Tolerance	PASS	FAIL	NA
1	Temperature rea	ading		°C	_		NA	<u> </u>	( )	
2	Pressure readin	q		psi	-		r.h	_ ()	( )	1/1
				<u> </u>			JA			
					-					
PART 9	ELECTRICAL S	AFETY TEST	de de la proposición de la company		,					
ELECTR	ICAL SAFETY TO	EST, (attach report)								
	(in accordance to IE	C 60801)								
	Z	PASS	FAIL	r	۸A					
										ł.
PART 10	NOTES									
						•				
			A MEDITAL CONTROL OF THE CONTROL OF			ELBIOTO!"	NC -	NOT FUNCTION	JINIC	
		CORRECTIVE MA	NTENANCE REQUIRED			FUNCTION	ING	NOT FUNCTION	UNIO	-16.1
wo	RK ORDER NO	<b>.</b>	NA					NEXT PPM DA	TE ►.	26/3/2019
PPM has			hecklist and the equipmen	t is functio	ning to th	e intended pu	rpose.			
COMPL	ETED BY:		odria, aveland U. Treiphecen, <b>ciks</b> 19-21/200 <b>0</b>							
		CALL SE managananan	ilogia angarang U Terbercura, Gus							
		NEVALOR C	19-25/2001							
DATE:		771/7/2018								

# Fluke Biomedical

Date 27/03/2018

#### Test Setup

Operator ID Calibration Tech Calibration Date LBNBME

10/01/2019

Firmware Version Serial Number Date & Time JOB Name

2.08.01 3227039

27/03/2018 & 10:04

#### **DUT Information**

Equipment Number Serial Number Manufacturer

Model Location Other

WPL 000050

KLINIK PERGIGIAN

# Template Information

Template Name Pause after Power ON Power ON delay

Halt on Test Failure Include Time Insulation Resistance Voltage 250V Multi Enclosure Test NO

STERILIZING UNITS

RAPID YES

YES

Standard

Pause before Power OFF Power OFF delay

Test Mode Multi PE Test Multi Resstore

Reverse Polarity Classification

IEC62353-Differential

NO AUTO

NO WORST/LAST

YES

#### PLC Configuration-Applied part setup

AP Name

Test Speed

AP Type

AP Num

### **ESA615 Test Results**

Test Name	Value	High Limits	Low Limits	Status
Protective Earth Resistance	0.20 Ohm	0.3	-	P
Insulation Resistance				P
Mains to Protective Earth	999 MOhm	-	-	Þ
Mains Voltage				Þ
Live to Neutral	241.2 V	-	-	þ
Live to Earth	12.4 V	-	-	Ρ
Neutral to Earth	240.3 V	••	_	P
Equipment Current	11.2 A	-	-	P
Differential Leakage				P
Normal Condition	33 uA	500		Р
Normal Condition-Reversed mains	49 uA	500	-	Р

Signature

Constitution of