

Form B03

Scheduled Maintenance Work Order



Quantum Medical Solutions sdn bhd
transcending boundaries, transforming life

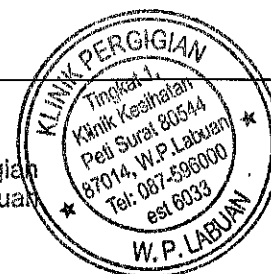
Format Ref: - QMS/TSD-022 Rev.01

Work Order No.	PWO371861	Schedule Month	March 2018
Work Order Date	01/03/2018	Completed Date	21/3/2018
Clinic Name	Klinik Pergigian Di Klinik Kesihatan Lat	Clinic Code	WPL001
BE No.	WPL000106	Distict	LABUAN
BE Category	Sterilizing Units, Portable	WO Assigned to	Che Muhammad Atillah
Ownership	<input checked="" type="checkbox"/> Existing Equipment	<input type="checkbox"/> Purchase	<input type="checkbox"/> New
BE Condition	<input checked="" type="checkbox"/> Active	<input type="checkbox"/> BER Proposed	
Work Order Type	<input checked="" type="checkbox"/> Preventive Maintenance (PM)	<input type="checkbox"/> Third Party Calibration (TPC)	
	<input type="checkbox"/> Routine Inspection (RI)	<input type="checkbox"/> Statutory Certification (SC)	

Reschedule Date	
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BE Third Party Calibration / Statutory Certification Details			
Company Name	N/A	Cal / Cert Date	N/A
Contact Number		Cal / Cert Expiry Date	
Action Taken			
Check chasis, mount, cable, fuse, pcb board, cable & gasket door. Clean exterior and interior. Perform test (refer to checklist)			


Schedule Maintenance Execution Details				
SI No	QMS Engineer / Technician Name	Date	Start Time	End Time
	CHE MUHAMMAD ATILLAH BIOMEDICAL TECHNICIAN, QMS 019-2573340	21/3/2018	14 00	15 00
Customer Remarks				
Engineer / Technician Signature Name: CHE MUHAMMAD ATILLAH Date: 21/3/2018		Customer Signature Name: HERMAN NOWI Designation: Juruteknologi Pergigian Date: 20/4/18 Seal:		

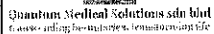


For Internal Use

First Verification
QMS Circle Incharge
JULIUS LIANSUN
BIOMEDICAL ENGINEER, QMS
019-3620179

Final Verification
QMS State Incharge
DICKY LEE
GABAH STATE MANAGER
QUANTUM MEDICAL SOLUTIONS Sdn Bhd

 Quantum Medical Solutions sdn bhd <small>transcending boundaries, transforming life</small>	Quantum Medical Solutions Sdn Bhd BEMS Planned Preventive Maintenance Checklist Sterilizing units, Portable BE CODE : DE-031	CHECKLIST NO: CL-147 REV.000					
PART 1 ASSET DETAILS							
WORK ORDER NO ▶ PWO 371861		ASSET NO ▶ 14000016					
MANUFACTURER ▶ PLK		MODEL ▶ PLK					
FREQUENCY ▶ 3 MONTHLY () 6 MONTHLY () 12 MONTHLY (✓)		PPM HOURS ▶ 0 10					
PART 2 SPECIAL PRECAUTION							
If there is evidence of body fluid contamination, submit the device for cleaning and decontamination before inspecting it. Wear appropriate Personnel Protection Equipment (PPE) during work. Wear grounded electrostatic wristband when handling PCB or electronic components. Refer to the safety procedure for additional precautions and guidance as per manufacturer guidelines. Make sure the test equipment used are duly calibrated.							
PART 3 TEST APPARATUS							
Tick (✓) where appropriate							
NO	ASSET NO	DESCRIPTION	SERIAL NO	CALIBRATION DUE ON			
	TEESA 0085	ELECTRICAL SAFETY ANALYZER	3227039	10/1/2019			
	NA	PRESSURE METER	NA	NA			
	NA	THERMOMETER	NA	NA			
PART 4 QUALITATIVE TASKS							
Tick (✓) where appropriate							
	PASS	FAIL	NA		PASS	FAIL	NA
1 Chassis - verify physical integrity, cleanliness and condition	(✓)	()	()	9 Seal - Verify physical integrity	(✓)	()	()
2 Power Cord - verify proper insulation and integrity	(✓)	()	()	10 Sensor - Verify proper operation	(✓)	()	()
3 Strain Relief - verify physical integrity at both ends of line cord	(✓)	()	()	11 Cassette lid/Tay - Verify physical integrity	(✓)	()	()
4 Fittings/ Connectors - check all fittings/connectors	(✓)	()	()	12 Solenoid valve - Verify proper operation	(✓)	()	()
5 Controls/Switches - verify proper operation of controls	(✓)	()	()	13 Reservoir - Verify physical integrity	(✓)	()	()
6 Indicators/ Displays - verify proper illumination and operation	(✓)	()	()	14 Check drain valve -Physical integrity	(✓)	()	()
7 Check Thermal fuse, circuit breaker	(✓)	()	()	15 Check Safety valve	(✓)	()	()
8 Heater - verify physical Integrity	(✓)	()	()	16 Calibration	()	()	(✓)
PART 5 PREVENTIVE MAINTENANCE TASKS							
Tick (✓) where appropriate							
	DONE	NOT DONE **	NA		DONE	NOT DONE **	NA
1 Clean exterior and interior of the equipment	(✓)	()	()	5 Cassette seal/Lid or tray - Check/Replace***	(✓)	()	()
2 Thermal fuse - Check / replace***	(✓)	()	()	Notes: * For all Parts, NA is defined as NOT APPLICABLE ** If you have ticked 'NOT DONE', then justify in Part 8 *** Choose Whichever Applicable			
3 Check/ clean solenoids	()	()	()				
4 Lubricate all moving parts	(✓)	()	()				



BEMS Planned Preventive Maintenance Checklist
Sterilizing units, Portable
 BE CODE : DE-031

CHECKLIST NO: CL-147
REV.000

Pwo 371861

Tick (✓) where appropriate

[illegible]

ELECTRICAL SAFETY TEST, (attach report)

(In accordance to IEC 60801)

☒ PASS ☐ FAIL ☐ NA

☐ CORRECTIVE MAINTENANCE REQUIRED ☒ FUNCTIONING ☐ NOT FUNCTIONING

NEXT PPM DATE - 20/3/2019

PPM has been performed in accordance to the checklist and the equipment is functioning to the intended purpose.

COMPLETED BY:

SECRET
DISCONTINUED
CLOSING

DATE :

28/3/2018

Fluke Biomedical

Date 21/03/2018

Test Setup

Operator ID LBNBME
Calibration Tech
Calibration Date 10/01/2019
Firmware Version 2.08.01
Serial Number 3227035
Date & Time 21/03/2018 & 14:12
JOB Name

DUT Information

Equipment Number WPL 000106
Serial Number
Manufacturer
Model
Location KLINIK PERGIGIAN
Other

Template Information

Template Name STERILIZING UNITS
Pause after Power ON NO
Power ON delay 2
Test Speed RAPID
Halt on Test Failure YES
Include Time YES
Insulation Resistance Voltage 250V
Multi Enclosure Test NO

Standard IEC62353-Differential
Pause before Power OFF NO
Power OFF delay 0
Test Mode AUTO
Multi PE Test NO
Multi Resstore WORST/LAST
Reverse Polarity YES
Classification I

PLC Configuration-Applied part setup

AP Name AP Type AP Num

ESA615 Test Results

Test Name	Value	High Limits	Low Limits	Status
Protective Earth Resistance	0.24 Ohm	0.3	-	P
Insulation Resistance				P
Mains to Protective Earth	999 MOhm	-	-	P
Mains Voltage				P
Live to Neutral	241.8 V	-	-	P
Live to Earth	12.4 V	-	-	P
Neutral to Earth	240.3 V	-	-	P
Equipment Current	11.6 A	-	-	P
Differential Leakage				P
Normal Condition	53 uA	500	-	P
Normal Condition-Reversed mains	75 uA	500	-	P


Signature