

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.	PWO365747	Schedule Month	June 2018
Work Order Date	01/06/2018	Completed Date	12/6/2018
Clinic Name	Klinik Kesihatan Pesta / Kampung Ken.	Clinic Code	JHR015
BE No.	JHR002024	Distict	BATU PAHAT
BE Category	Freezers, Laboratory, Vaccine	WO Assigned to	f MUHD SHAZRUL
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	NA	Cal / Cert Date	NA
Contact Number		Cal / Cert Expiry Date	
Action Taken <input checked="" type="checkbox"/> PM / RI job done as per checklist. Unit tested functioning good & ready to use. Manufacturer : <input type="checkbox"/> Corrective Maintenance / <input type="checkbox"/> Breakdown Modal : BE Sticker Availability : <input checked="" type="checkbox"/> Yes / <input type="checkbox"/> NA Serial No : Remarks:			

Schedule Maintenance Execution Details				
SI No	QMS Engineer / Technician Name	Date	Start Time	End Time
	MUHD SHAZRUL	12-06-2018	13:05	14:05

Customer Remarks	
Engineer / Technician Signature Name Date 12/06/2018 QUANTUM MEDICAL SOLUTION AHAMMAD SHAZRUL BIN MUHD SAMSURI BIOMEDICAL TECHNICIAN	Customer Signature Name Designation Date Seal Nur hazirah Nacey Abdullah (No. Pendaftaran Penuh: 54451) Jururawat U29 KK Kg. Kenangan Dato Onn

For Internal Use

First Verification
QMS Circle Incharge

RAZILA MISKAN
 Biomedical Engineer (Circle In-Charge)
 Quantum Medical Solutions Sdn. Bhd.

Final Verification
QMS State Incharge

12/6/18



KEMENTERIAN KESIHATAN MALAYSIA

MEET Planned Preventive Maintenance Checklist
Freezers, Laboratory, Vaccine
BE CODE : ME-015

CHECKLIST NO: CL-073-000
REV.000

PART 1 ASSET DETAILS

WORK ORDER NO ▶ PWO 365747 BE NO ▶ JHR 002024
MANUFACTURER ▶ Dometic MODEL ▶ TCW 2000
FREQUENCY ▶ 6 MONTHLY () 12 MONTHLY (✓) PPM HOURS ▶ 1.00

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 0074	ELECTRICAL SAFETY TESTER	3226906	10/11/2018
	TEESA 0138	THERMOMETER	30430358 WS 150423878	11/7/2018

PART 4 QUALITATIVE TASKS

Tick (✓) where appropriate

	PASS	FAIL	NA		PASS	FAIL	NA
1 Chassis - verify physical integrity, cleanliness and condition	(✓)	()	()	7 Controls/ Switches/ Keypad - verify proper operation of controls	(✓)	()	()
2 Mount/ Fasteners - verify physical integrity	(✓)	()	()	8 Indicators/ Displays - verify proper illumination and operation	(✓)	()	()
3 Power Cord - verify proper insulation and integrity	(✓)	()	()	9 Alarm/ Audible Signal - verify operation	(✓)	()	()
4 Strain Relief - verify physical integrity at both ends of line cord	(✓)	()	()	10 Check Compressor - verify physical Integrity	(✓)	()	()
5 Circuit Breaker/ Fuse - verify integrity of external circuit breaker and/or rating of external fuse	(✓)	()	()	11 Check Thermostate - verify physical Integrity	(✓)	()	()
6 Door Gasket, Hinges - verify physical Integrity	(✓)	()	()				

PART 5 PREVENTIVE MAINTENANCE TASKS

Tick (✓) where appropriate

	DONE	NOT DONE **	NA	Notes:
1 Cleaning the inside with a vacuum cleaner	(✓)	()	()	* For all Parts, NA is defined as NOT APPLICABLE ** If you have ticked 'NOT DONE', then justify in Part 8 *** Choose Whichever Applicable
2 Clean compressor	(✓)	()	()	



KEMENTERIAN KESIHATAN MALAYSIA

MEET Planned Preventive Maintenance Checklist
Freezers, Laboratory, Vaccine
BE CODE : ME-015CHECKLIST NO: CL-073-000
REV.000

WORK ORDER NO ▶

PART 6 QUANTITATIVE TASKS

Tick (✓) where appropriate

No	Description	Units / UOM	Set Values	Measured Values	Limit/Tolerance	PAS S FAIL NA
	Temperature	°C	5	5.4	2 - 8	✓ () () ()

PART 7 ELECTRICAL SAFETY TEST

ELECTRICAL SAFETY TEST, (attach report)

Tick (✓) where appropriate

Standard use :



IEC 60601



IEC 61010



IEC 62353

Result :



PASS



FAIL



NA

PART 8 NOTES



CORRECTIVE MAINTENANCE REQUIRED



FUNCTIONING



NOT FUNCTIONING

WORK ORDER NO ▶

NA.

NEXT PPM DATE ▶

JUNE 19

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

COMPLETED BY: MUHD SHAZRUL Fekhan

DATE : 05-06-2018

12/6/18

Test Setup

Operator ID :
 Calibration Tech : DINA
 Calibration Date : 9/10/2017
 Firmware Version : 2.08.01
 Serial Number : 3226906
 Date & Time : 06/12/2018 & 13:18
 JOB Name :

DUT Information

Equipment Number : JHR002024
 Serial Number :
 Manufacturer : DOMETIC
 Model : TCW3000
 Location : KK PESTA
 Other :

Template Information

Template Name : JHR002024
 Pause after Power ON NO
 Power ON delay: 2
 Test Speed: NORMAL
 Halt on Test Failure: YES
 Include Time: YES
 Insulation Resistance \ 500V
 Multi Enclosure Test : NO

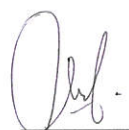
Standard : IEC60601-1-2nd Ed
 Pause before Power O NO
 Power OFF delay: 0
 Test Mode: AUTO
 Multi PE Test: NO
 Multi Resstore: WORST/LAST
 Reverse Polarity: YES
 Classification: II

PLC Configuration-Applied part setup

AP Name AP Type AP Num

ESA615 Test Results

Test Name	Value	High Limits	Low Limits	Status
Insulation Resistance				P
Mains to Non-Earth Accessible Conductive Par	999 MOhn -	-	-	P
Mains Voltage				P
Live to Neutral	236.1 V	-	-	P
Equipment Current	0.0 A	-	-	P
Enclosure Leakage Current				P
Normal Condition	0.5 uA-OPI	100	-	P
Open Neutral	0.7 uA-OPI	500	-	P
Open Neutral- Reversed Mains	0.7 uA-OPI	500	-	P
Normal Condition- Reversed Mains	0.5 uA-OPI	100	-	P
Earth Leakage Current				P
Open Neutral	122.3 uA-C	1000	-	P



Signature

