Form B03 Scheduled Maintenance Work Order





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

			AND DESCRIPTION OF THE PARTY OF					
Work Order No.	PWO365263	Schedu	le Month	June 2018				
Work Order Date	01/06/2018	Comple	ted Date	25.4.18.				
Clinic Name	Klinik Kesihatan Lok Heng	Clinic C	'ode	JHR044				
BE No.	JHR011979 /	Distict		KOTA TINGGI				
BE Category	ANALYZERS, LABORATORY, HEM	WO As s	igned to	FTGGME !				
Ownership	✓ Existing Equipment		Purchase	Ne w				
BE Condition	✓ Active		BER Proposed	POSITION OF THE PROPERTY OF TH				
Work Order Type	Preventive Maintenance (PM)	Preventive Maintenance (PM)			Third Party Calibration (TPC)			
work Order Type	Routine Inspection (RI)		Statutory Certificat	tion (SC)				
Reschedule Date	иц							
E Third Party Calib	ration / Statutory Certification Details							
Company Name		Cal/Cert Date						
Contact Number		Cal/Co	ert Expiry Date					
Action Taken								
	e Maintenance / Breakdown er Availability : / Yes / NA			Modal: (2,4) Serial No:				
Schedule Maintenan	ce Execution Details							
SINo	QMS Engineer / Technician Name		Date	Start Time	End Time			
NIA	Stalwarg		25.6.18.	1020	1120			
Customer Remarks								
Ma								
Engineer / Technician S	Signature	Custome	r Signature					
Name	Om.	Name Designation AZURA BINTI SULONG						
	NOORSHALWANA BINTI LATIP Biomedical Engineer	Designa	IURURAWAT AN	SARAKAT U19				
25 6 18	Quantum Medical Solutions Sdn. Bhd			Seal KLINIK KESIMMAN LOK HANG				
For Internal Use	1			/	·			
First Verification	MUHD RAMADHAN BAT WMAR JAYA Biomedidate Miner Technical Service Department	Plant Ma	-10					

Technical Service Department Quantum Medical Solutions Sdn. Ohd. Tel: +60 12-398 1697

QMS Circle Incharge

Final Verification QMS State Incharge



KEMENTERIAN KESIHATAN MALAYSIA

MEET Planned Preventive Maintenance Checklist Analyzers, Laboratory, Hematology, Cell Counting, Automed (Medium)

CHECKLIST NO:CL-015-000 REV.000

1		7.11	dijecio, and	BE	CODE	ME-009				
exert.	ASSET DETAILS							- JHR	0.110	70
A STATE OF THE PARTY OF THE PAR	ORDER NO	0W03652	63				BE NO			19
	J. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	Nihan ko					MODEL	► 631	8K.	
MANUFA				MONTHLY (`		PPM HOURS	▶ 2.00		
FREQUE		6 MONTHLY () 12	MONTHLY (4					
PART 2	SPECIAL PRECA	UTION	- aubarit the	davisa for class	ing and	d decontaminati	ion before inspecting it.			
If there is	evidence of body flo	uid contamination	n, submit the t	Jevice for clear	ing and	a document				
	propriate Personnel ounded electrostatic				mpone	ents.				
Wear gro	the safety procedure	for additional pr	recautions and	guidance as pe	er man	ufacturer guidel	ines.			
1	re the test equipmen									
	TEST APPARATU	The state of the s								
Tick (V)	where appropriate					127	OEDIAL NO	CALIE	BRATION	DUE ON
NO	NO ASSET NO		DESCRIPTION		SERIAL NO					
1.	1 5000 0010		ELECTRICAL SAFETY ANALYZER		3218171	11/8/18				
	76524000	,								
						14 = 3 (4) (5) (5)				
	QUALITATIVE TA	ASKS			Т					
Tick (√)) where appropriate		PASS	FAIL NA				PASS	FAIL	NA
								(/)	()	()
1 Chi	assis - verify physica anliness and condition	al integrity,	(/)	() (physical interigity	,		(/)
2 Mo	unt/ Fasteners - veri	ify physical integr	rity (/)	() (system- verify proper operation	, .		
3 Po	wer Cord - verify pro	per insulation an	nd (/)	() () 13	Fan/motor/cor integrity and p	mpressor/pump- verify physical proper operation	(/)	•	()
4 Str	egrity ain Relief - verify ph	nysical integrity at	t (/)	() () 14	Initialization P	rocess- Verify	.(/)		()
both ends of line cord) 15	Printer - Verify	physical operation.	(/)	()	()		
fittings/connectors) 16	User Setting -	Verify Operation	(/)	()	()		
of controls Indicators/Displays- verify proper operation (/) () 17	User calibration	on - Verify Operation	(/)	()	()		
i) 18	Self Diagnosti	c - Verify Operation	(/)	()	(
Electrodes and Tranducer -verify physical integrity Hydraulics and Pneumatics System-verify) 19	Plate moveme	ent calibration - Verify Operation	(/)	()	(
physical integrity Sensors- verify phisical integrity		(/))						
	PREVENTIVE MA	INTENANCE TA	ASKS							
Tick (√)	where appropriate			NOT					NOT	
			DONE	DONE NA				,	DONE	NA
	an exterior and interi	ior of the	(/)(()() 6	Clean measur	ring area	(/)	()	(
	ipment pect/clean interior of	unit	(/)(()() 7	Calibrate syste	em parameter	()	()	(/
	an hydraulics and no		(/)(()() 8	Perform Post	routine	(/)	()	(

) () Notes:

) (

For all Parts, NA is defined as NOT APPLICABLE
 If you have ticked 'NOT DONE', then justify in Part 8
 Choose Whichever Applicable

(/)(

(/)(

4 Tubings - clean/ replace ***

5 Clean sampling mechanism

KEMENTERIAN KESIHATAN MALAYSIA

MEET Planned Preventive Maintenance Checklist Analyzers, Laboratory, Hematology, Cell Counting, Automated, Medium CHECKLIST NO:CL415-000 REV.000

BE CODE : ME-009 WORK ORDER NO . PN0365243 PART 6 QUANTITATIVE TASKS Tick ($\sqrt{\ }$) where appropriate Units / Set Measured PASS FAIL Description Limit/Tolerance Values Values MOU PART 7 ELECTRICAL SAFETY TEST ELECTRICAL SAFETY TEST, (attach report) Tick ($\sqrt{\ }$) where appropriate Standard use : Result: IEC 60601 IEC 61010 IEC 62353 / PASS FAIL PART 8 NOTES FUNCTIONING NOT FUNCTIONING CORRECTIVE MAINTENANCE REQUIRED NEXT PPM DATE - 6/ 3019 WORK ORDER NO > PPM has been performed in accordance to the checklist and the equipment is functioning to the intended purpose. COMPLETED BY: **NOORSHALWANA BINTI LATIP Biomedical Engineer** Quantum Medical Solutions Sdn. Bhd. DATE: 25.06.18.

012-396

Test Setup

DUT Information

Serial Number:

Manufacturer:

Equipment Number: JHR011979

Operator ID :

MOHANA

06/25/2018&10.30AM

Calibration Tech : Calibration Date :

08/24/2018

Serial Number:

Firmware Version: 2.08.01 3218071 Model: Location: Other:

KK LOK HENG

Date & Time :

JOB Name :

Template Information

Template Name :

ANALYZER

Standard:

IEC60601-1-3rd Ed

Pause after Power ON NO Power ON delay:

Pause before Power O NO Power OFF delay: Test Mode:

0 AUTO

Test Speed:

NORMAL Halt on Test Failure: YES YES

Multi PE Test: Multi Resstore: NO WORST/LAST

Include Time: Insulation Resistance \ 500V Multi Enclosure Test: NO

Reverse Polarity: Classification:

YES

PLC Configuration-Applied part setup

AP Name AP Type AP Num

ESA615 Test Results

n Limits Low Limits	Status
0.2 -	P P
1-	Р
-	Р
	Р
-	Р
-	P
-	Р
-	Р
	Р
5000 -	Р
	Р
	Р
	P
3000 -	P
400	
200	Р
500 -	Р
500 -	Р
500 -	Р
100 -	Ρ
500 -	Р
	0.2 - 5000 - 10000 - 10000 - 5000 - 100 - 5000 - 500 - 500 - 100 -