Form B03

Scheduled Maintenance Work Order



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

				1				
NO BWO465003	Sche	eduled Month	January 2019					
n la 01/01/2019	Com	pleted Date	19/1/2019					
k. le TRAJUAG RAMBUTAN	Clinic	Code	PRKe38					
PRK 001171		ict	RINTA					
HE-MOTOCCELY DRACYJER (M)	wo.	Assigned to	MOOR DO.	ADU(
Existing Equipment		MEET Equipment						
☐ Under Warranty	☐ BER Proposed							
Preventive Maintenance (PM)								
Routine Inspection (RI) Statutory Certification (SC)								
libration / Statutory Certification Details	: countably desired		The second of th	4				
~/o	Cal /	Cert Date	No					
np	Cal /	Cert Expiry Date	\sim	P				
		Purchase Kewpa No	Date: 1/1/ .kkm/Jkm e7/H/10/2	200 /pkp/kk/0)1				
ance Execution Details								
QMS Engineer / Technician Name		Date	Start Time	End Time				
ophi		17/1/2019	11:30	13:30				
RIDC LOLUME INSUFFICIO	ENT	To Ruge	ac TAT					
n Signature	Custo	mer Signature 🛚 🗲	3h-fel					
OOD AZADIII D AHAAAD	Name	Name						
Quantum Medical Solution Sdn. Bhd No 10 B, Persiaan Greentown 4c			Designation Juruteknologi Makmal Perubatan Klinik Kesihatan Tg. Rambutan 31250 Tg. Rambutan					
	A COLON DOTAL R. Le TONTUNG RAMBUTON PRK COLON PROJECTOR PRK COLON PROJECTOR PRK COLON PROJECTOR MEXISTING Equipment Under Warranty Preventive Maintenance (PM) Routine Inspection (RI) MIDIENTALIST MIDIENTALIST MINISTRACTOR RID C LOUME INSUFFICE IN Signature DOR AZARUL B AHAMAD PRINC LOUME INSUFFICE ON B. Person ON B. Person ON B. Person ON AZARUL B AHAMAD PRINC LOUME INSUFFICE ON B. Person ON B. Person ON B. Person ON AVENUE, 30450 Ipoh, Person WIN	A CONTROL POIG COM K - E TONTUNG RAMBUTON Clinic PRK CO1171 Distr H(MOTOCCGH DOCY)PR (M) WO Existing Equipment WO Preventive Maintenance (PM) Routine Inspection (RI) Cal /	Completed Date Completed Date	Completed Date P Decompleted Date Decompleted Date P Decompleted Date Dec				

For Internal Use only

First Verification QMS Circle Incharge

Final Verification QMS State Incharge



KEMENTERIAN KESIHATAN MALAYSIA

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

CHECKLIST NO:CL-015-003 REV.000

BE CODE : ME-009 PART 1 ASSET DETAILS · PRKCC1171 PW0465003 WORK ORDER NO BE NO MANUFACTURER SYSMEX MODEL FREQUENCY 6 MONTHLY (/) 12 MONTHLY () PPM HOURS ► 2.00 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 ÇALIBRATION DUE ON 0 ELECTRICAL SAFETY ANALYZER PART 4 QUALITATIVE TASKS Tick (√) where appropriate PASS FAIL PASS FAIL NA 1 Chassis - verify physical integrity,) 10 Printer - Verify Operation cleanliness and condition 2 Mount/ Fasteners - verify physical integrity () 11 Rolling Pump tubing -Verify Physical Integrity) (3 Cables - verify integrity) () 12 Solenoid Valve- Verify Operation 4 AC Plug / Power Cord- verify Proper) () 13 Vaccum and Pressure Pump -Verify Physical Insulation and integrity Integrity 5 Strain Relief - verify physical integrity at) a. Vaccum =0.0333mpa (actual)) (both ends of line cord Displaying 0.0320mpa) b. Vaccum =0.05mpa (actual) Fittings/ Connectors - check all) (fittings/connectors Displaying 0.051mpa Controls/Switches - verify proper operation (14 Sample Probe - Verify Integrity) (of controls (/)(Indicators /Displays - Verify Proper) (15 Controller Board - Verify Physical Integrity illumination and Operation (/)()(Plunger & Syringe Motor drive - Verify physical integrity and operation PART 5 PREVENTIVE MAINTENANCE TASKS NOT NOT DONE DONE Tick (√) where appropriate DONE DONE NA 1)(1 Inspect / Clean exterior and interior of the) (8 Run Auto Clean 2 Transducer Clean and Verify integrity (/)(9 SRV -Clean and Check Condition) (3 PPM Kits - Replace if needed (/)() (10 Run daily Shutdown Power on Self Test (POST) -Verify) 11 Sample Aspiration Probe - Clean and Check 1)() (Operation Condition 5 Fan Filter -Clean and replace if needed (/)() 12 Pinch Valve and Lyse pump tubing - Clean and (/) () (Replace if Necessary (/)(13 Waste Champer - Clean and Check Condition (/) (Aperture Plates - Clean and Check) (Condition Diluent Syringe, Sample Syringe, Sample (/)() (14 Close Sample holder - Clean and Check aspiration Probe- Clean and Check Condition For all Parts, NA is defined as NOT APPLICABLE Condition ** If you have ticked 'NOT DONE', then justify in Part 8 Notes: *** Choose Whichever Applicable



KEMENTERIAN KESIHATAN MALAYSIA

MEET Planned Preventive Maintenance Checklist

Analyzers, Laboratory, Hematology, Cell Counting, Automated (Medium)

BE CODE: ME-009

CHECKLIST NO:CL-015-003 REV.000

WORK ORDER NO - N/D bus 465003.

	where appropriate	Units /	Set	Measured	Limit/Tolerance	DACC	EAII	NA
0	Description	UOM	Values	Values	Limit/Tolerance	PASS	FAIL	NA
	1 Background Check	1021	0.0	0-1	≤0.3	-7.		
	1.1 WBC			0.00	5000000	(/)	()	()
	1.2 RBC		0-0	0.0	≤0.1		()	()
_	1.3 HGB	g/dL	-	0	≤10	(/)	- /	()
	1.4 PLT	x10 ³ /uL	0	U	210	.,,,	3 /	
_	2 Pressure/Vacuum Check							
	2.1 Pressure 0.5kg/cm ²	kg/cm ²	0.56	0.53	0.4-0.6	(/)	()	()
_	2.2 Vacuum 250mmHg	mmHg	250	256	230-270	(/)	()	()
			000	20				
	3 Run QC Test and attach printout							Statement 33 T
	a High level					()	()	(/)
	b Medium Level					()	()	(/)
	c Low Level					()	()	()
	4 Run Precision Check						()	()
								· · · · · · · · · · · · · · · · · · ·
						- 11		
_								
	ELECTRICAL SAFETY TEST CAL SAFETY TEST, (attach report) CAL SAFETY TEST, (attach report)	POICE	BCF OS	for	C CCCT	RICA DEA	501	PRETU
TRI	V46 07 01		Result:	FOR MI		DPCD DER	50/	prefu Ciwan
TRI	Standard use:						50/	prefu
TRI	Standard use : R/D SF :						SON	PREFU
T 8	Standard use :						SOF	prefu Crupp
T 8	Standard use: IEC 60601 IEC 61010 IEC NOTES eeded Maintenance	62353	Result:	PASS			50/	PPETU
T 8	Standard use: IEC 60601	62353 air work to be o	Result :	PASS			SOF	PRETURIE
T 8	Standard use: IEC 60601	62353 air work to be o	Result :	PASS			SOF	PREFU
T 8	Standard use: IEC 60601 IEC 61010 IEC NOTES IEC 61010 IEC NOTES IEC 61010 IEC IEC 61010 IEC	62353 air work to be o	Result:	PASS			50/	Prefu
T 8	Standard use: IEC 60601 IEC 61010 IEC NOTES IEC 61010 IEC NOTES IEC 61010 IEC IEC 61010 IEC	62353 air work to be o	Result:	PASS			50/	Prefu
TT 8	Standard use: IEC 60601 IEC 61010 IEC NOTES IEC 61010 IEC NOTES IEC 61010 IEC IEC 61010 IEC	62353 air work to be o	Result:	PASS			50/	PRETURE
TT 8	Standard use: IEC 60601 IEC 61010 IEC NOTES IEC 61010 IEC NOTES IEC 61010 IEC IEC 61010 IEC	62353 air work to be o	carried out - 4)	PASS	FAIL	√ NA		PREFU
T 8	Standard use: IEC 60601 IEC 61010 IEC NOTES IEC 61010 IEC NOTES IEC 61010 IEC IEC 61010 IEC	air work to be o io. 443 - 2477 part no. 442-5	carried out - 4)	PASS	FAIL		NG	
T 8 5 : Ite	Standard use: IEC 60601	air work to be o io. 443 - 2477 part no. 442-5	carried out - 4)	PASS	FAIL N	NA OT FUNCTIONI	NG	
TRIM	Standard use: IEC 60601	air work to be o io. 443 - 2477 part no. 442-5	carried out - 4)	PASS	FAIL N	√ NA	NG	Tun J
T 8 5 : Ite	Standard use: IEC 60601	air work to be o io. 443 - 2477 part no. 442-5	carried out - 4)	PASS	FAIL N	NA OT FUNCTIONI	NG	
CTRIC (N) 5: Ite As no	Standard use: IEC 60601	air work to be on the control of the	carried out -4)	PASS (if any):	FAIL N	NA OT FUNCTIONI	NG	
CTRIC (N) 5: Ite As no Pleas	Standard use: IEC 60601	air work to be on the control of the	carried out -4)	PASS (if any):	FAIL N	NA OT FUNCTIONI	NG	
TT8 55: Ite As no	Standard use: IEC 60601	air work to be on the control of the	carried out -4)	PASS (if any):	FAIL N	NA OT FUNCTIONI	NG	
TRICAL TERMINATION TO SERVICE TO	Standard use: IEC 60601	air work to be on the control of the	carried out -4)	PASS (if any):	FAIL N	NA OT FUNCTIONI	NG	