Form B03 Scheduled Maintenance Work Order



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

				+					
Work Order No.		PWO365244			Schedule Month		June 2018		
Work Order Date		01/06/2018			Completed Date		28 6	(18	
Clinic Name		Klinik l	Klinik Kesihatan Pesta / Kampung Ken			ode	JHR015		
BE No.		JHR002007			tict		BATU PAHAT		
BE Category		Micro	scopes, Light, Laboratory	WC) Ass	igned to	Ferhan		
Ownership		>	Existing Equipment			Purchase		New	
BE Condition		V	Active			BER Proposed			
Work Order Type		✓ Preventive Maintenance (PM)			Third Party Calibration (TPC)				
		Routine Inspection (RI)			Statutory Certification (SC)				
Reschedule Date									
3E Third Party Ca	libration	/ Statu	tory Certification Details						
Company Name					Cal / Cert Date		-		
Contact Number			(Cal	I / Ce	rt Expiry Date	ate / 177		
Action Taken									
PM/R	l job done	e as per	checklist. Unit tested functioning g	ood &	ready	y to use.	Manufact	turer : 🖱	March
Corrective Maintenance / Breakdown						Control of production and control	Modal: CX31		
BE Sticker Availability : Yes / NA					Manufacturer: Olympy Modal: Cx31 Serial No: 3604002				
Remar			1907				ocha 140	. 76	39000
rteman	N3.								
Schedule Mainten	ance Ex	ecution	Details						
SI No		QMS	S Engineer / Technician Name		Date		Start	Time	End Time
	For	han			28/6/18		120	•	130
			4						
Customer Remarks						y =	100		
	¥						α		
NA.									
			Customer Signature Name						
Name Date	MO	HU NAJ BIOM	U MASID TAIMAN D. TOMAS		ie ignat	ion SITI N			
		1	012-396 7048)	Date		Jurutek	nologi Makma Klinik Kesihaa		
29/6/18	QUA	NIUM ME	DICAL SOLUT IONS SDN. BHD.	Sea	I		Batu Pa		
For Internal Use					-				

First Verification

QMS Circle Incharge

QUANTUM MEDICAL SOLUTIONS
RAZILA BINTI MISKAN
SIDMEDICAL ENGINEER

Final Verification

QMS State Incharge



KEMENTERIAN KESIHATAN MALAYSIA

MEET Planned Preventive Maintenance Checklist

CHECKLIST NO:CL-097-000 REV.000

Manager of the Control of the Contro			IVIIC		S, Light, Laborate CODE : 15-156	эгу	
PART 1 ASSET DETAILS							
WORK ORDER NO > >	0365.	244				BE NO	JHR002007
MANUFACTURER - C	mpl					MODEL	- CX31
FREQUENCY ► 6 MOI	NTHLY () 1	12 MONTH	ILY (√)	PPM HOURS	▶ 1.00
PART 2 SPECIAL PRECAUTION							encial accompanies and a
If there is evidence of body fluid con-	tamination, s	submit the	device for	cleaning	and decontaminat	tion before inspecting it.	
Wear appropriate Personnel Protect	ion Equipme	ent (PPE) o	during wor	ζ.			
Wear grounded electrostatic wristba	nd when har	ndling PCE	3 or electro	nic comp	onents.		
Refer to the safety procedure for add			d guidance	as per n	nanufacturer guide	lines.	
Make sure the test equipment used	are duly calil	brated.					en er
PART 3 TEST APPARATUS							
Tick (√) where appropriate			DESC	DIDTION		SERIAL NO	CALIBRATION DUE ON
NO ASSET NO			DESC	RIPTION		9800 - 90000	Charles Server (1997)
TEESAOOT	ELECT	RICAL SAF	ETY ANA	LYZER		3226906	9/10/18
					A		
PART 4 QUALITATIVE TASKS						The New York of the Property o	interestinates talles es 20 accessio
Tick (√) where appropriate			***************************************				
and the state of t		PASS	FAIL	NA			PASS FAIL NA
Chassis - verify physical integrity cleanliness and condition	,	(()	()	11 Bulb - verify	y functionality	(🖍) () (
2 Mount/ Fasteners - verify physica	ı	(()	()	12 Filter - verify	y integrity	(/) () (
integrity 3 Cables / AC Plug - verify integrity	K 0	(/)	()	()	13 Performing	Test	(1) (1) (
The second control of					a. Binocular	prism) (1) (1) (
4 Fittings/ Connectors - check all fittings/connectors		(//)		()	c. Coarse co	ontrol movement movement) () () (
Power Cord - verify proper insula integrity	tion and	(/)		()	o. optional.	Module or accessories of microscope)(1)()(
6 Strain Relief - verify physical inte ends of line cord	egrity at both	(/)	()	()	h. Stage lev	er spring) () () (
7 Oircuit Breaker/ Fuse - verify inte- external circuit breaker and/or rat		(/)	()	()	- Objective I) () () (
external fuse	ing of				- Field Diapl - Eyepiece	200 CO) (/) () (
8 Controls/Switches - verify proper	operation of	(()	()	- Condenser j. Substage		(1)()(
controls 9 Indicators /display - verify proper	illumination		()	()			
and operation		(1)		21			
10 Brightness Control - verify function	nality	(/)	()	()			
Tick ($\sqrt{\ }$) where appropriate							
		DONE	NOT DONE **	NA			DONE NOT NA
1 Clean the Exterior		(/)	()	(5 I	Lubricate the Mechanical Part if	(/) () (
 Inspect/ Clean Interior of unit Optic/prisms Lens 		(A)	()()	necessary		
- Mirror / Eyepiece		(/)	()()	250 pp 8503400		
3 Check/Replace**** - Bulb			()().	**If yo	all Parts, NA is defined as NOT A u have ticked 'NOT DONE', ther	
- Filter and phase contrast		(/) (()()	*** Ch	oose Whichever Applicable	de dels



KEMENTERIAN KESIHATAN MALAYSIA

MEET Planned Preventive Maintenance Checklist Microscopes, Light, Laboratory

CHECKLIST NO:CL-097-000 REV.000

BE CODE : 15-156 ► PW0365244 WORK ORDER NO PART 6 QUANTITATIVE TASKS Tick (√) where appropriate Units / Set Measured Limit/Tolerance Description PASS FAIL NA No UOM Values Values Not Applicable PART 7 ELECTRICAL SAFETY TEST ELECTRICAL SAFETY TEST, (attach report) Tick ($\sqrt{\ }$) where appropriate Standard use : Result: IEC 62353 FAIL TEC 60601 IEC 61010 PASS NA PART 8 NOTES NOT FUNCTIONING CORRECTIVE MAINTENANCE REQUIRED FUNCTIONING Jun 19 WA. NEXT PPM DATE WORK ORDER NO PPM has been performed in accordance to the checklist and the equipment is functioning to the intended purpose. COMPLETED BY:

Test Setup

DUT Information

Operator ID:

Calibration Tech: Calibration Date: DINA 9/10/2017

Firmware Version: Serial Number:

2.08.01

Date & Time : JOB Name:

3226906

06/28/2018 & 12:38pm

Equipment Number: JHR002007 Serial Number:

Manufacturer:

3E04002 **OLYMPUS**

Model:

CX31 KK PESTA

Location:

Other:

Template Information

Template Name:

JHR002007

Standard:

IEC60601-1-2nd Ed

Pause after Power ON: NO

Power ON delay:

2

Pause before Power O NO Power OFF delay:

0

Test Speed:

NORMAL

Test Mode:

Halt on Test Failure:

YES

Multi PE Test:

AUTO NO

Include Time:

YES

Multi Resstore: Reverse Polarity: WORST/LAST

Insulation Resistance \ 500V

Multi Enclosure Test: NO

Classification:

YES П

PLC Configuration-Applied part setup

AP Name AP Type

AP Num

ESA615 Test Results

Test Name	Value	High Limits Low Limits Statu		
Insulation Resistance				P
Mains to Non-Earth Accessible Conductive Par	999 MOhr] -	=:	Р
Mains Voltage				Р
Live to Neutral	237.9 V		-)	Р
Equipment Current	0.0 A	-	-0	P
Enclosure Leakage Current				Р
Normal Condition	0.5 uA-OP	100	-8	Р
Open Neutral	0.6 uA-OP	500	-	Р
Open Neutral- Reversed Mains	0.6 uA-OP	500	= 4	Р
Normal Condition- Reversed Mains	0.5 uA-OP	100	- 7	Р
Earth Leakage Current				Р
Open Neutral	22.2 uA-O	1000	=)	Р
Approximation of the company of the				

MOHD NAJIB FARHAN B. ISMAIL
BIOMEDICAL ENGINEER
(012-396 7048)
DUANTUM MEDICAL SOLUTIONS SDN. BHD.