

LAMPIRAN - A1

RUJ: BME/A2K/(1620)/2026/HTD (A17)

5/3/2026

ONE-OFF PPM FOR THIRTY ONE (31) UNITS OF VORTEX MIXERS IN DEPARTMENT OF LAB SERVICES, MINISTRY OF HEALTH

SCOPE OF WORK

1. PREVENTIVE MAINTENANCE SHALL FOLLOW EQUIPMENT MANUAL AND BRAND/MODEL SPECIFIC RECOMMENDATIONS AND MAY INCLUDE BUT NOT LIMITED TO:

I. General Inspection

Check the power supply, inspect for any damage, Examine mixer stability and signs of wear, Verify external surfaces are clean

II. Operational Check

Turn on the vortex mixer and listen for any unusual noises, Test the speed settings to ensure they are functioning correctly, Ensure that the mixing action is smooth and consistent at all speed levels, Check the functioning of any timers or automatic shut-off features.

III. Cleaning Procedures

Unplug the vortex mixer before cleaning, Wipe down the exterior with a soft, damp cloth, Clean the mixing head and any attachments with appropriate cleaning solutions, Remove any spills or residues from the working area around the mixer.

IV. Component Inspection

Inspect the mixing head for wear and tear, Check any rubber or silicone components for cracks or degradation, Examine connections and fittings for tightness and signs of corrosion, Ensure that all attachments are present and in good working condition.

2. POST-MAINTENANCE REQUIREMENTS

PERFORM FUNCTIONAL CHECKS

APPLY PREVENTIVE MAINTENANCE STICKER/TAG AFTER SUCCESSFUL SERVICE

DISPOSE OF USED SPAREPARTS/PM KITS UNLESS INSTRUCTED OTHERWISE

3. WORK MUST BE CARRIED OUT BY AUTHORIZED ENGINEERS TRAINED IN MAINTAINING THE EQUIPMENT.

4. VENDORS SHALL SUBMIT A MAINTENANCE CHECKLIST AND SUPPORTING DOCUMENTS SPECIFIC TO THE EQUIPMENT AS PART OF THE TENDER.

5. PREVENTIVE MAINTENANCE MAY BE PERFORMED UP TO ONE MONTH BEFORE THE NEXT SCHEDULED DATE BUT NOT EARLIER.

FULL LIST OF 31 UNITS OF VORTEX MIXERS IN LAMPIRAN 3A:

NO	SITE	LOCATION	BRAND	MODEL	SN	BME No	
1	BM	BDC, NBTRL	THERMO SCIENTIFIC	88882010		N9CT82010071	30558
2	BM	NCMRL, Serology	THERMO SCIENTIFIC	88882010		N9CT82010069	
3	BM	30557 NHCRML	BENCHMARK SCIENTIFIC		BV1000		12081346
4	BM	15067 NHCRML	BENCHMARK SCIENTIFIC		BV1000		12081349
5	BM	15066 NHCRML, CYTOLOGY LABORATORY	THERMOLYNE	16700 m-16710-12-26		268	
6	BM	NHRL, Haematology	Type 16700 Mixer	Maxi Mixl			
7	BM	NHRL, Haematology	Unico		TTR150		
8	BM	SR256AC0001295 12059 NIRL Main Lab	FISHER SCIENTIFIC	11-102-50SH		1892-0907-00176	
9	BM	NIRL Main Lab	HEIDOLPH REAX TOP	HEIDOLPH REAX TOP		30625569	6086
10	BM	NIRL Main Lab	STUART/SA7	STUART/SA7		R00102156	11349
11	BM	19223 NMRL, SUMBILING	THERMO SCIENTIFIC	LP VORTEX MIXER			FAKT18151
12	BM	27436 NMRL, SUMBILING	VELP		CLASSIC		597061
13	BM	29050 NVRL	VMR		VELPSA202A0176SG		84798-20000
14	BM	29051 NVRL	VMR		VELPSA202A0176SG		84799-20000
15	BM	26990 NVRL REAGENT PREP ROOM	KYLIN-BELL		QL-901		
16	BM	10353 NVRL ROUTINE ROOM	DYNATECH		501		
17	BM	NVRL ROUTINE ROOM	STUART		SSM1		R00010807

LAMPIRAN - A2

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ONE-OFF PPM FOR THIRTY ONE (31) UNITS OF VORTEX MIXERS IN DEPARTMENT OF LAB SERVICES,
MINISTRY OF HEALTH

	SPAREPART	PART NUMBER	QUANTITY
1	ONE OFF PPM VORTEX MIXER		31

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No	District	Location	Brand	Model	Serial No.	No.	Lab Reference No.
1	BRUNEI MUARA	BDC, NBTRL	THERMO SCIENTIFIC	88882010	N9CT82010071	30558	PPM/BDC-BTL/OTH/20/006
2	BRUNEI MUARA	NCMRL, Serology	THERMO SCIENTIFIC	88882010	N9CT82010069	30557	PPM/MIC/BME/2024/48
3	BRUNEI MUARA	NHCRLM	BENCHMARK SCIENTIFIC	BV1000	12081346	15067	PPM/AND/BME/2014/MIX02
4	BRUNEI MUARA	NHCRLM	BENCHMARK SCIENTIFIC	BV1000	12081349	15066	PPM/AND/BME/2014/MIX01
5	BRUNEI MUARA	NHCRLM, CYTOLOGY LABORATORY	THERMOLYNE	16700 m-16710-12-26	268		PPM/CYT/BME/2009/MIX01
6	BRUNEI MUARA	NHRL, Haematology	Type 16700 Mixer	Maxi Mixl		10360	PPM/HAE/054/09
7	BRUNEI MUARA	NHRL, Haematology	Unico	TTR150	SR256AC0001295		PPM/NHRL/MIX/2026/01
8	BRUNEI MUARA	NIRL Main Lab	FISHER SCIENTIFIC/ 11-1	FISHER SCIENTIFIC/ 11-102-503H	1892-0907-00176	12059	PPM/IMM/BME/2011/09
9	BRUNEI MUARA	NIRL Main Lab	HEIDOLPH REAX TOP	HEIDOLPH REAX TOP	30625569	6086	PPM/IMM/BME/2010/08
10	BRUNEI MUARA	NIRL Main Lab	STUART/SA7	STUART/SA7	R00102156	11349	PPM/IMM/BME/2010/10
11	BRUNEI MUARA	NMRL, SUMBILING	THERMO SCIENTIFIC	LP VORTEX MIXER	FAKT18151	19223	PPM/NMRL/BME/032
12	BRUNEI MUARA	NMRL, SUMBILING	VELP	CLASSIC	597061	27436	PPM/NMRL/BME/045
13	BRUNEI MUARA	NVRL	VMR	VELPSA202A0176SG	84798-20000	29050	PPM/VIRO/2022/013/MX
14	BRUNEI MUARA	NVRL	VMR	VELPSA202A0176SG	84799-20000	29051	PPM/VIRO/2022/014/MX
15	BRUNEI MUARA	NVRL REAGENT PREP ROOM	KYLIN-BELL	QL-901		26990	PPM/VIRO/2022/012/MX
16	BRUNEI MUARA	NVRL ROUTINE ROOM	DYNATECH		501	10353	PPM/VIRO/2009/002/MX
17	BRUNEI MUARA	NVRL ROUTINE ROOM	STUART	SSM1	R00010807	11785	PPM/VIRO/2009/006/MX
18	BRUNEI MUARA	NVRL SPECIAL TEST ROOM	BARNSTEAD THERMOLYNE	M-16710-12-26	268	10351	PPM/VIRO/2009/003/MX
19	BRUNEI MUARA	NVRL TISSUE CULTURE ROOM	LMS	HARMONY MIXER VTX-3000L	VTX507070006	6099	PPM/VIRO/2009/004/MX
20	BRUNEI MUARA	NVRL, MDRUV EXTRACTION ROOM	KYLIN-BELL	QL-901			PPM/VIRO/2009/010/MX
21	BRUNEI MUARA	NVRL, MDRUV REAGENT PREP ROOM	LMS	HARMONY MIXER VTX-3000L	VTX507070010	6098	PPM/VIRO/2009/005/MX
22	BRUNEI MUARA	NVRL, PCR ROOM 2	COLE-PARMER		19094001		PPM/VIRO/2009/009/MX
23	TUTONG	MGS, Assay 1 Suite	DLAB	MX-S	VB214AL0008267	27737	PPM/MGS/BME/2021/7
24	TUTONG	MGS, Assay 2 Suite	DLAB	MX-S	VB214AL0008251	27735	PPM/MGS/BME/2021/6
25	TUTONG	MGS, Assay 3 Suite	DLAB	MX-S	VB214AL0008051	27736	PPM/MGS/BME/2021/5
26	TUTONG	BSL3, CMDLID	VELP	CLASSIC	597022	27433	PPM/NMRL/BME/042
27	TUTONG	BSL3, CMDLID	VELP	CLASSIC	597040	27434	PPM/NMRL/BME/043
28	TUTONG	BSL3, CMDLID	VELP	CLASSIC	597048	27435	PPM/NMRL/BME/044
29	TUTONG	BSL3, CMDLID	VELP	CLASSIC	597099	27437	PPM/NMRL/BME/046
30	BELAIT	HAEMATOLGY	DENLEY	SPIRAMIX 5	2347	21816	PPM/SSB/2010/67
31	TEMBURONG		STUART	SA8	R000106536	11094	PHM/2009/10