

LAMPIRAN - A1

RUJ: BME/A2K/(1609)/2026/HTD (A17)

14/2/2026

ONE-OFF PPM FOR SEVENTY EIGHT (78) UNITS OF CENTRIFUGES IN DEPARTMENT OF LAB SERVICES, MINISTRY OF HEALTH

SCOPE OF WORK

Scope of Work

1. Preventive maintenance shall follow the equipment manual and brand/model-specific recommendations, and may include:

- * Inspection
- * Cleaning
- * Installation of PM kits, consumables, and spare parts (including those listed in Lampiran A2)
- * Alignment
- * Calibration
- * Other related preventive maintenance tasks as required

2. Post-Maintenance Requirements

- * Perform functional checks
- * Apply preventive maintenance sticker/tag after successful service
- * Dispose of used spare parts/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 due date, but not earlier.

List of seventy eight units of centrifuges (Please find proper list in Lampiran A3)

1. SN: 4530001, BME11036, PPM/BDC/BME/2009/012
2. SN: 4530003, BME11035, PPM/BDC/BME/2009/011
3. SN: 0010710-03-00, BME8340, PPM/BDC/BME/2012/001
4. SN: 0010714-03-00, BME8339, PPM/BDC/BME/2012/002
5. SN: 0001906-27, BME21055, PPM/BDC/BME/2018/001
6. SN: 0857-02-01, BME8032, PPM/BDC/BME/2011/001
7. SN: 0006140-05, BME13629, PPM/BDC-BTL/13/004
8. SN: 0006145-05, BME13632, PPM/BDC/BME/2013/038
9. SN: 0006149-05, BME13634, PPM/BDC-BTL/13/003
10. SN: 0012215-11, BME30187, PPM/BDC-BTL/23/013
11. SN: 0006143-05, BME13630, PPM/BDC/BME/2013/009
12. SN: 0002030-04, BME14211,
13. SN: K211397-M000, BME6962,
14. SN: 6645, BME14843, PPM/AND/BME/2014/CEN01
15. SN: 6646, BME14844, PPM/AND/BME/2014/CEN02
16. SN: 0001731-04-00, BME9436, PPM/CYT/BME/2013/CEN07
17. SN: MTZ15C042, BME19374, PPM/CC015/09
18. SN: MTZ21L017, BME29611, PPM/CHE/2022/128
19. SN: 0002474-05, BME18125, PPM/CHE/2024/130
20. SN: JY1200-M000, BME6961, PPM/CC071/09
21. SN: K21398-M000, BME6963, PPM/CC072/09
22. SN: J80111-G000, BME11220, PPM/CHE/2024/129
23. SN: 000286-09, BME25536, PPM/MIC/OTH/2020/10
24. SN: E30519G000, BME 0005146, PPM/MIC/BME/2009/1
25. SN: 0001718-04-00, BME 0009439,
26. SN: 0001982-04, BME 0013628, PPM/HAE/E0018
27. SN: 4538015, BME 0011037, PPM/BT029/10
28. SN: 0001732-04-00, BME9440, PPM/IMM/BME/2013/06
29. SN: ALP09H47, BME7151, PPM/NMRL/BME/014
30. SN: 0002192-29, BME25274, PPM/NMRL/BME/039
31. SN: N/A, BME26980, PPM/VIRO/2022/028/CN
32. SN: 21058141, BME27009, PPM/VIRO/2022/026/CN
33. SN: 21058152, BME26978, PPM/VIRO/2022/025/CN
34. SN: 21058163, BME26992, PPM/VIRO/2022/027/CN
35. SN: N/A, , PPM/VIRO/2022/029/CN
36. SN: N/A, BME26989, PPM/VIRO/2022/024/CN
37. SN: ALD08H003/ 392188, BME7119, PPM/VIRO/2009/006/CN
38. SN: 40069747, BME4073, PPM/VIRO/2018/011/CN
39. SN: 232604, BME17258, PPM/VIRO/2014/009/CN
40. SN: 392934, BME5916, PPM/VIRO/2006/003/CN
41. SN: MBB13M011, BME15081, PPM/VIRO/2018/012/CN
42. SN: LW20CAR0001041, BME25825, PPM/VIRO/2020/023/CN
43. SN: 5342, BME5849, PPM/VIRO/2006/004/CN
44. SN: K5122396, BME19329, PPM/VIRO/2016/010/CN
45. SN: 5405J51591, BME25695, PPM/VIRO/2020/021/CN
46. SN: 5405JH215593, BME25697, PPM/VIRO/2020/020/CN
47. SN: 5405JH5592, BME25696, PPM/VIRO/2020/022/CN

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No	District	Location	Brand	Model	Serial No.	BME No.	Lab Reference No.
1	BRUNEI MUARA	BDC	CLAY ADAMS	SEROFUGE 2000	4530001	11036	PPM/BDC/BME/2009/012
2	BRUNEI MUARA	BDC	CLAY ADAMS	SEROFUGE 2000	4530003	11035	PPM/BDC/BME/2009/011
3	BRUNEI MUARA	BDC	HETTICH	HAEMATOKRIT210	0010710-03-00	8340	PPM/BDC/BME/2012/001
4	BRUNEI MUARA	BDC	HETTICH	HAEMATOKRIT210	0010714-03-00	8339	PPM/BDC/BME/2012/002
5	BRUNEI MUARA	BDC, CPL	HETTICH	ROTO SILENTA 630 RS	0001906-27	21055	PPM/BDC/BME/2018/001
6	BRUNEI MUARA	BDC, CPL	HETTICH	ROTO SILENTA 630 RS	0857-02-01	8032	PPM/BDC/BME/2011/001
7	BRUNEI MUARA	BDC, NBTRL	HETTICH	ZENTRIFUGEN EBA21	0006140-05	13629	PPM/BDC-BTL/13/004
8	BRUNEI MUARA	BDC, NBTRL	HETTICH	ZENTRIFUGEN EBA21	0006145-05	13632	PPM/BDC/BME/2013/038
9	BRUNEI MUARA	BDC, NBTRL	HETTICH	ZENTRIFUGEN EBA21	0006149-05	13634	PPM/BDC-BTL/13/003
10	BRUNEI MUARA	BDC, NBTRL	HETTICH	ZENTRIFUGEN UNIVERSAL 320	0012215-11	30187	PPM/BDC-BTL/23/013
11	BRUNEI MUARA	BDC, QCL	HETTICH	EBA21	0006143-05	13630	PPM/BDC/BME/2013/009
12	BRUNEI MUARA	BDSL	HETTICH	ROTINA 380	0002030-04	14211	
13	BRUNEI MUARA	BDSL	KUBOTA	4000	K211397-M000	6962	
14	BRUNEI MUARA	NCMRL, Andrology Laboratory	HETTICH	Hettich GmbH Universal 320	6645	14843	PPM/AND/BME/2014/CEN01
15	BRUNEI MUARA	NCMRL, Andrology Laboratory	HETTICH	Hettich GmbH Universal 320	6646	14844	PPM/AND/BME/2014/CEN02
16	BRUNEI MUARA	NCMRL, CYTOLOGY LABORATORY	HETTICH	Rotina 380	0001731-04-00	9436	PPM/CYT/BME/2013/CEN07
17	BRUNEI MUARA	NCCRL	BECKMAN COULTER	MICROFUGE 20	MTZ15C042	19374	PPM/CC015/09
18	BRUNEI MUARA	NCCRL	BECKMAN COULTER	MICROFUGE 20	MTZ21L017	29611	PPM/CHE/2022/128
19	BRUNEI MUARA	NCCRL	HETTICH	R 380	0002474-05	18125	PPM/CHE/2024/130
20	BRUNEI MUARA	NCCRL	KUBOTA	4000	JY1200-M000	6961	PPM/CC071/09
21	BRUNEI MUARA	NCCRL	KUBOTA	4000	K21398-M000	6963	PPM/CC072/09
22	BRUNEI MUARA	NCCRL	KUBOTA	5500	J80111-G000	11220	PPM/CHE/2024/129
23	BRUNEI MUARA	NCMRL, Serology	Boeco Germany	BOE 01401-13	000286-09	25536	PPM/MIC/OTH/2020/10
24	BRUNEI MUARA	NCMRL, Serology	KUBOTA	8410	E30519G000	5146	PPM/MIC/BME/2009/1
25	BRUNEI MUARA	NHRL, Automation Stat	KUBOTA	Rotina 380	0001718-04-00	9439	
26	BRUNEI MUARA	NHRL, Automation Stat	KUBOTA	Rotina 380	0001982-04	13628	PPM/HAE/E0018
27	BRUNEI MUARA	NHRL, Special Haematology	CLAY ADAMS	SEROFUGE 2001	4538015	11037	PPM/BT029/10
28	BRUNEI MUARA	Main lab	HETTICH	HETTICH ZENTRIFUGEN ROTINA 380 D-78532 TUTTLIGEN	0001732-04-00	9440	PPM/IMM/BME/2013/06
29	BRUNEI MUARA	NMRL, SUMBILING	BECKMAN COULTER	ALLEGRA X-15R	ALP09H47	7151	PPM/NMRL/BME/014
30	BRUNEI MUARA	NMRL, SUMBILING	HETTICH	ROTO SILENTA 630RS	0002192-29	25274	PPM/NMRL/BME/039
31	BRUNEI MUARA	NVRL	KYLIN-BELL	LX-200		26980	PPM/VIRO/2022/028/CN
32	BRUNEI MUARA	NVRL	LABNET, USA	MPS 1000™ MINI PLATE	21058141	27009	PPM/VIRO/2022/026/CN

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33	BRUNEI MUARA	NVRL	LABNET, USA	MPS 1000™ MINI PLATE	21058152	26978	PPM/VIRO/2022/025/CN
34	BRUNEI MUARA	NVRL	LABNET, USA	MPS 1000™ MINI PLATE	21058163	26992	PPM/VIRO/2022/027/CN
35	BRUNEI MUARA	NVRL	LABNET, USA	MPS 1000™ MINI PLATE			PPM/VIRO/2022/029/CN
36	BRUNEI MUARA	NVRL MASTERMIX ROOM	KYLIN-BELL	LX-200		26989	PPM/VIRO/2022/024/CN
37	BRUNEI MUARA	NVRL ROUTINE ROOM	BECKMAN COULTER	ALLEGRA X-22R	ALD08H003/ 392188	7119	PPM/VIRO/2009/006/CN
38	BRUNEI MUARA	NVRL ROUTINE ROOM	HERAEUS INSTRUMENTS	MEGAFUGE 2.0	40069747	4073	PPM/VIRO/2018/011/CN
39	BRUNEI MUARA	NVRL ROUTINE ROOM	HETTICH	ROTINA 380R	232604	17258	PPM/VIRO/2014/009/CN
40	BRUNEI MUARA	NVRL SAMPLE PREP 1 ROOM	BECKMAN COULTER	ALLEGRA X-15R	392934	5916	PPM/VIRO/2006/003/CN
41	BRUNEI MUARA	NVRL SAMPLE PREP 1 ROOM	BECKMAN COULTER	MICROFUGE 16	MBB13M011	15081	PPM/VIRO/2018/012/CN
42	BRUNEI MUARA	NVRL SAMPLE PREP 1 ROOM	DYNAMICA	VELOCITY 15ul	LW20CAR0001041	25825	PPM/VIRO/2020/023/CN
43	BRUNEI MUARA	NVRL SAMPLE PREP 1 ROOM	EPPENDORF	AG2231	5342	5849	PPM/VIRO/2006/004/CN
44	BRUNEI MUARA	NVRL SAMPLE PREP 1 ROOM	LABNET, USA	MPS 1000™ MINI PLATE	K5122396	19329	PPM/VIRO/2016/010/CN
45	BRUNEI MUARA	NVRL SAMPLE PREP 2 ROOM	EPPENDORF	5425	5405J51591	25695	PPM/VIRO/2020/021/CN
46	BRUNEI MUARA	NVRL SAMPLE PREP 2 ROOM	EPPENDORF	5425	5405JH215593	25697	PPM/VIRO/2020/020/CN
47	BRUNEI MUARA	NVRL SAMPLE PREP 2 ROOM	EPPENDORF	5425	5405JH5592	25696	PPM/VIRO/2020/022/CN
48	BRUNEI MUARA	NVRL SAMPLE PREP 2 ROOM	LABNET, USA	MPS 1000™ MINI PLATE	18229122	25468	PPM/VIRO/2020/018/CN
49	BRUNEI MUARA	NVRL, MDRUV EXTRACTION ROOM	LABNET, USA	MPS 1000™ MINI PLATE	18229044	25467	PPM/VIRO/2020/017/CN
50	BRUNEI MUARA	NVRL, MDRUV MASTERMIX ROOM	KYLIN-BELL	LX-200	200 3772	25449	PPM/VIRO/2020/016/CN
51	BRUNEI MUARA	NVRL, MDRUV MASTERMIX ROOM	KYLIN-BELL	LX-200	200 3778	25450	PPM/VIRO/2020/015/CN
52	TUTONG	Assay 1 Suite	BIOBASE	BKC-MPC2800	LXJBKCMPC28002312023	30578	PPM/MGS/BME/2024/1
53	TUTONG	Assay 1 Suite	DLAB	D1008	HB203AQ0000311	27740	PPM/MGS/BME/2021/2
54	TUTONG	Assay 2 Suite	DLAB	D1008	HB214AX0002777	27739	PPM/MGS/BME/2021/3
55	TUTONG	Assay 2 Suite	DLAB	D1008	HB214AX0002801	27738	PPM/MGS/BME/2021/4
56	TUTONG	Assay 3 Suite	Cence	H1650	H1650 20060150040	26976	PPM/MGS/BME/2022/6
57	TUTONG	BSL3, CMDLID	BECKMAN COULTER	ALLEGRA X-15R	ALP13M19	14645	PPM/NMRL/BME/068
58	TUTONG	BSL3, CMDLID	Eppendorf	5417C	22621	6218	PPM/NMRL/BME/012
59	TUTONG	Blood bank	Sigma	8KS	153544	17221	PPM/PMM/BME/14/P013
60	TUTONG	Lamunin clinic	KUBOTA		R2 6593	18445	
61	TUTONG	Micro Lab PMM	BECKMAN COULTER	Allegra X12	ALA13K02	14644	PPM/PMM/BME/14/P001
62	TUTONG	Micro Lab PMM	KUBOTA	4000	K21402-M000	6967	PPM/PMM/BME/09/P001
63	TUTONG	Micro Lab PMM	KUBOTA	Rotina 380	0001739-04-00	9438	PPM/PMM/BME/13/P002
64	TUTONG	Sg Kelugos Clinic	KUBOTA		R2 6595	18447	

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65	TUTONG	Telisai Clinic	KUBOTA		R2 6594	18446	
66	TUTONG	Transfusion section	HETTICH		280565	18463	PPM/PPM/BME/15/P002
67	BELAIT	BLOOD BANK	HETTICH	ORTO SILENTA 630 RS	1032-02-02	9138	PPM/SSB/2012/23
68	BELAIT	BLOOD BANK	KUBOTA	8420	K10770-G000	11046	PPM/SSB/2021/91
69	BELAIT	Blood Transfusion	BIO-RAD	12 S II		21811	PPM/SSB/2014/18
70	BELAIT	Blood Transfusion	BIO-RAD	12 S II		21812	
71	BELAIT	Blood Transfusion	HETTICH	EBA21	0006146-05	13633	PPM/SSB/2013/19
72	BELAIT	Blood Transfusion	HETTICH	ROTINA 380	0001719-04-00	9437	PPM/SSB/2012/20
73	BELAIT	CLINICAL CHEMISTRY	KUBOTA	4000	K2-1403-M000	6968	PPM/SSB/2009/17
74	BELAIT	CLINICAL CHEMISTRY	KUBOTA	8410	E30520-G000	5147	PPM/SSB/2004/16
75	BELAIT	Specimen Processing (Separation)	HETTICH	Universal 320	0005106-03-00	8284	PPM/SSB/2009/118
76	TEMBURONG	Lab analysis	HETTICH	EBA 21	0006001-04-00	12915	PPM/PHM/2013/35
77	TEMBURONG	Lab analysis	HETTICH	ROTINA 380	0001967-04	13626	PPM/PHM/2013/36
78	TEMBURONG	Lab analysis	KUBOTA	4000	K21404-M000	6969	PPM/PHM/2009/15