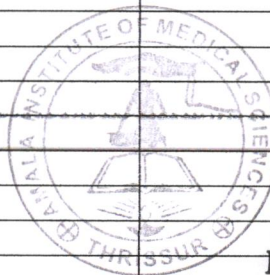


Forensic Medicine and Toxicology

Sl. No.	Name of the items			
1	Anthropometric Set including			
	A) Folding Metal Rod Upto 7 Ft			
	B) Osteometric Board			
	C) Craniometer			
	D) Mandibulometer			
	E) Goniometer			
	F) Vernier Calipers			
	G) Equipment for Reporting Height			
	H) Weighing Machine Dial Type Human			
2	Digital pH Meter			
3	Digital Spectrophotometer			
4	Chemical Balance			
5	Distillation Plant			
6	Refrigerator			
7	Centrifuge			
8	Slide Warming Table			
9	Hot Plate			
10	Spectroscopic Lens With adjustable Slit			
11	Dissection Set Complete			
	Digital BP Instrument			
13	Stethoscope			
Medico legal work				
14	Cold Storage For dead bodies			
15	Weighing machine for dead bodies			
16	Autopsy tables			
17	Stryker type autopsy saw with accessories			
18	Weighing machine for organs			
19	Weighing machine for fetus			
20	Dissection set complete			
21	Brain Knife			
22	Hack saw			
23	Rib shear left & right			
24	Measuring tape (steel tape roll)			
25	Magnifying lens			
26	X-Ray view Box (4 in 1)			
27	Tooth extractor left & right			
28	Hand set heat sealer			
29	Instrumental trolley			
30	Rectal thermometer			
31	Portable X-ray machine (can be shared with radiology department)			
Additional Equipment for Medico Legal work for each 500 Medico legal post mortems beyond 500 post mortems annually				
32	Cold storage for dead bodies			
33	Autopsy table			
34	Stryker type autopsy saw with accessories			
35	Weighing machine for organs			
36	Weighing machine for fetus			
37	Dissection set complete			
38	Brain knife			
39	Hack saw			
40	Rib shear left and Right			
41	Measuring tape (Steel Roll)			
42	Magnifying lens			



Betsy

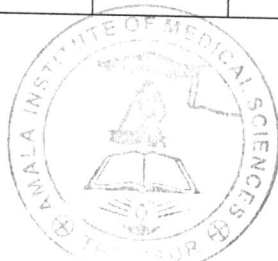
Dr. BETSY THOMAS
MD, FRCOG, DNB, MICOG

PRINCIPAL

AMALA INSTITUTE OF MEDICAL SCIENCES
AMALA NAGAR, THRISSUR-680 555

Name of the Equipment	Must/ Desirable	Numbers Available	Functional Status	Important Specification in Brief	Adequate (Yes/No)
Chromotographic Unit for Paper & TLC	Must	2	Functional	Purchased date: 02.06.2003	Yes
Complete Electrophoresis (Paper, Page, Agarose) Apparatus With Power Supply	Must	4	Functional	BIOTECH/26.2003	Yes
Densitometer With Computer	Desirable	1	Functional	With electrophoresis machine Minicap FP/1089	Yes
Vortex Mixer	Must	2	Functional	REMI/CM101/ 14.07.2003	Yes
Incubator of 37 °C	Must	2	Functional	BESTON/ 14.07.2003	Yes
Fume Cup Boards	Must	1	Functional	ROTEK/RFH32/ 21.06.2003	Yes
Digital Analytical Balance Up to 200 G – 1G Increment	Must	1	Functional	SARTORIUS/ BIO-RES/BE2/10.07.2009	Yes
Micro Analytical Balance	Must	1	Functional	SHIMADZU / BIO-RES/BE1/10.07.2005	Yes
Spectro Photometer	Must	1	Functional	ALICO/SL218/ 19.09.2012	Yes
PCR	Desirable	1	Functional	Shared with Molecular biology Dept	Yes
Elisa Reader & Washer	Desirable	1	Functional	Shared with Microbiology Dept	Yes
Urine Dip Sticks for Glucose, Protein and Ketone Bodies	Desirable		Functional	Adequate	Yes
ISE Analyzer	Must	2	Functional	Jokoh Ex D A/BC/ISE/01-02	Yes
Refrigrator – 400 L Capacity	Must	4	Functional	A/BCRef/01-04	Yes
Ultra Centrifuge for DNA /RNA Extraction	Desirable	1	Functional	Shared with Molecular biology Dept	Yes
Refrigerated Ultra Centrifuge	Must	1	Functional	REMI-C24-BL/SL LACI10342/ 12.12.2006	Yes
HPLC	Desirable	1	Functional	Tosoh HLC-723GX	Yes
Bio Safety Cabinet	Desirable	1	Functional	Shared with Molecular biology Dept	Yes

Signature of Dean



Signature of Assistant

Name of the Equipment	Must/Desirable	Numbers Available	Functional Status	Important Specification in Brief	Adequate (Yes/No)
Centrifuges	Must	5	Functional	AIBC/C/103,08/02/2024	Yes
Digital colorimeters	Must	5	Functional	ELICO CL63 photometer, VI199/02.08.2024	Yes
Semi Auto Analyzer	Must	1	Functional	Microlab 300/2146058	Yes
Fully Auto Analyzer	Must	7	Functional	Vitros 4600Automated chemistry system A/BC/AA/03, Vitros 5600Automated Integrated systemA/BC/AA/04,A	Yes
Electrolyte Analyzer	Must	2	Functional	Jokoh Ex D A/BC/ISE/01-02	Yes
CLIA Analyzer	Must	4	Functional	Vitros 5600Automated Integrated systemA/BC/AA/04, Unicel Dxi600A/BC/AA/01 Laison A/BC/AA/02, A/BC/AA/06	Yes
Computer and Printer	Must	1	Functional	A/BC/Comp/01	Yes

g. Hospital Laboratory Details:

Spacing and Organization of Laboratory Adequate

Laboratory Management Information System: Available

Internal Quality Assurance Practiced: Yes (Randox Assayed multi-sera)

External quality assurance services practiced:

If yes, details of EQAS:

Yes, (RIQAS, Monthly General Clinical chemistry and Immunoassay programme)

Lab Accredited:

If Yes, Give Details

Yes (NABL Accredited)

Certificate No: MC-3555

Issue Date: 18.08.2024



Signature of Director

Signature of Assistant Director

Name of the Equipment	Must/Desirable	Numbers Available	Functional Status	Important Specification in Brief	Adequate (Yes/No)
Centrifuges More Than or Equal to 8 Tubes	Must	2	Functional	REMI/R 18.08.2003	Yes
Glucometers	Must	10	Functional	On call plus/G.113-117 28.01.2024	Yes
Urinometers	Must	20	Functional	Amber Scientific 8/2003, 8/2019	Yes
Hot Air Oven	Must	2	Functional	BESTON/ 14.07.2003	Yes
Digital Colorimeters	Must	5	Functional	ELICO CL63 photometer, VI199/02.08.2024	Yes
Microscopes	Must	5	Functional	Purchase date 8/2003	Yes
Thermometer 0 – 250 °C	Must	5	Functional	Purchase date 1/2008	Yes
Semi Auto Analyzer	Must	1	Functional	Microlab 300/2146058	Yes
Boiling Water Bath	Must	1	Functional	ROTEK/RSW 02.06.2003	Yes
Constant Temp Water Bath Tank Capacity (Temp Range 5 to 80°C)	Must	1	Functional	ROTEK/02.06.2003	Yes
Digital pH Meter	Must	5	Functional	EUTECH/ 04.08.2016	Yes
Fixed Volume Pipettes 1 mL, 0.5 MI, 0.2 mL, 0.1 mL, 0.02 MI	Must	3	Functional	Pipettmann/ 12.08.2021	Yes
Bottle Dispensers	Must	10	Functional	LH002011016/ 03.01.2022	Yes
Variable and Fixed Volume Micro Auto Pipettes	Must	9	Functional	Pipettmann/ 12.08.2021	Yes
Vacutainer Tubes	Must	Adequate	Functional	Phleccocum	Yes
PCR Machine	Desirable	1	Functional	Shared with Molecular biology Dept	Yes
ABG Machine	Must	1	Functional	Radiometer ABL 80 flex,A/01/ABG/01	Yes
AUTO Analyser Chemistry	Must	2	Functional	Vitros 4600 automated chemistry system A/BC/AA/03, Vitros 5600 Automated Integrated system A/BC/AA/04,A	Yes

Signature of Dean



Signature of Assistant

e. List of Department specific laboratories with important Equipment:

Laboratory Name	Equipment	Numbers Available	Functional status
UG Laboratory	As per UGMSR2023	<i>Input in table below</i>	X
PG Laboratory	1. Electrophoresis	4	Functional
	2. Chromatography	1	Functional
	3. Spectrophotometer	1	Functional
	4. Semi / auto analyzer	1	Functional
	5. Electrolyte analyzer	1	Functional
	6. ELISA	1	Functional
Clinical Chemistry Laboratory in Hospital	1. Semi Auto Analyzer	1	Functional
	2. Fully Auto Analyzer(Clinical chemistry)	2	
Immunochemistry	1. Immunochemistry Analyzer	5	Functional
	2. CLIA	4	Functional

f. Equipment: List of important equipment available in the Department as per UGMSR 2023

Betsy

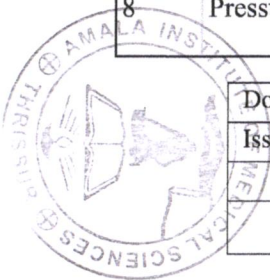


Dr. BETSY THOMAS
MD, FRCOG, DNB, MICOG
PRINCIPAL
AMALA INSTITUTE OF MEDICAL SCIENCES
AMALA NAGAR, THRISSUR-680-555

MOLECULAR BIOLOGY LAB MASTER LIST OF EQUIPMENT(NABL)

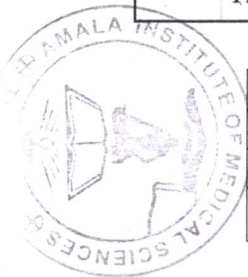
SL. No	Equipment Name	UID	Serial No	Make /Model	Receipt Date & Date Placed in Service	Range	Date of calibration	Due date of calibration	Name of calibration agency	owner ship	Agreement period	Equipment contact person & Ph.No:
1	Truenat Extractor	A/MBL/TE/01	TPV 220060963	Molbio/ Trueprep Auto v2	20/06/20	-	28/2/25	27/2/26	Cyrix	Amala		
2	Truenat Extractor	A/MBL/TE/02	TPV 220060964	Molbio/ Trueprep Auto v2	20/06/20		28/2/25	27/2/26	Cyrix	Amala		
3	Truenat Analyser	A/MBL/TA/01	TLQU0414	Molbio/Truelab Quattro	20/06/20		28/2/25	27/2/26	Cyrix	Amala		
4	Laminar Air Flow	A/MBL/LF/01	141-7/20	Beston/BLV-0255	24/07/20		12/07/24	11/07/25	Airtech services	Amala		
5	Digital Thermohygro meter	A/MBL/HGM/01	20191611	Equinox/EQ-308-CTH	24/07/20		01/3/25	01/3/26	Unique calibration solution	Amala		
6	Digital Thermohygro meter	A/MBL/HGM/02	20191588	Equinox/EQ-308-CTH	24/07/2020		01/3/25	01/3/26	Unique calibration solution	Amala		
7	Vertical Autoclave	A/MBL/AC/01	2021	ROTEK PLUS /PAV-02DTWL	24/07/2020		28/2/25	28/2/26	Unique calibration solution	Amala		
8	Pressure gauge	A/MBL/ACPG/01		micro	24/07/20		28/2/25	28/2/26	Unique calibration solution	Amala		

Doc No:	Department of Microbiology & Infectious Serology			ISO Clause No: -----
Issue No: 01	Issue Date:	01.01.2023	Amend No: ---	Amend Date: ---
Prepared By		Reviewed By		Approved By
Technical Manager		Section Head / HOD		Lab Director
				Issued By
				Quality Manager



MOLECULAR BIOLOGY LAB MASTER LIST OF EQUIPMENT(NABL)

9	Biosafety Cabinet	A/MBL/SC/01	1384 M 320051922	Thermoscientific/1384	24/07/20		12/07/24	11/7/25	Airtech services	Amala		
10	Biosafety Cabinet	A/MBL/SC/02	1336 300018178	Thermoscientific	15/01/2015		12/7/24	11/7/25	Airtech services	Amala		
12	Deep Freezer (-80°C)	A/MBL/DFR/01	ULTS00651204 2002	Thermoscientific/906GP	24/07/20	-86 to -20°C	12/7/2024	11/7/2025	Airtech services	Amala		
13	Deep Freezer (-20°C)	A/MBL/DFR/02	2760M32005 2001	Thermoscientific	24/07/20	-40 to -20°C	12/7/2024	11/7/2025	Airtech services	Amala		
14	Automated Nucleic Acid	A/MBL/ANA E/01	EZYEXM 30002 10463427	Zybio/EXM3000	06/07/21		28/2/25	27/2/26	Cyrux	Amala		
15	Heat Block	A/MBL/HBK/01	2000491022	LabQuest/LB H010	09/10/23		28/2/25	28/2/26	Unique Calibration Solution	Amala		
16	RTPCR	A/MBL/PCR/02	R0121209	Qiagen/Rotor-Gene Q	25/09/21		28/2/25	27/2/26	Cyrux	Amala		
17	Refrigerated Centrifuge	A/MBL/RMC/01	41832932	Thermoscientific/Sorvall Legend Micro 17 R	20/10/15	-9°C to 40°C	28/2/25	28/2/26	Unique Calibration Solution	Amala		
18	Digital Thermometer	A/MBL/DTM/01		Baba	20/06/20	-50 to 70°C	30/05/2025	30/5/2026	Unique Calibration Solution	Amala		
19	Digital Thermometer	A/MBL/DTM/02		Baba	20/06/20	-50 to 70°C	30/05/2025	30/5/2026	Unique Calibration Solution	Amala		
20	Digital Thermometer	A/MBL/DTM/03		Baba	20/06/20	-50 to 70°C	30/05/2025	30/5/2026	Unique Calibration Solution	Amala		



Doc No:	Department of Microbiology & Infectious Serology			ISO Clause No: -----
Issue No: 01	Issue Date:	01.01.2023	Amend No: ---	Amend Date: ---
Prepared By		Reviewed By		Approved By
Technical Manager		Section Head / HOD		Lab Director
				Issued By
				Quality Manager

MOLECULAR BIOLOGY LAB MASTER LIST OF EQUIPMENT(NABL)

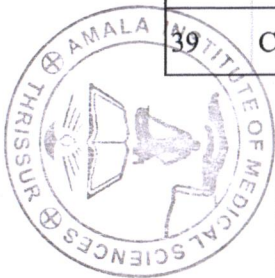
21	Digital Thermometer	A/MBL/DTM/04		Baba	20/06/20	-50 to 70°C	30/05/2025	30/5/2026	Unique Calibration Solution	Amala	
22	Mini Centrifuge	A/MBL/MCF/03	HS11777	Thermoscientific/MySPIN12	24/07/20	500-12500rpm	28/2/25	28/2/26	Unique Calibration Solution	Amala	
23	Micropipette	A/MBL/MPT/01	QH88922	Thermoscientific/Finnpipette F2	24/07/20	100-1000µl	28/2/25	28/2/26	Unique Calibration Solution	Amala	
24	Micropipette	A/MBL/MPT/02	QH88920	Thermoscientific/Finnpipette F2	24/07/20	100-1000µl	28/2/25	28/2/26	Unique Calibration Solution	Amala	
25	Micropipette	A/MBL/MPT/03	QH89622	Thermoscientific/Finnpipette F2	24/07/20	2-20µl	01/3/25	01/03/26	Unique Calibration Solution	Amala	
26	Micropipette	A/MBL/MPT/04	RW06201	Thermoscientific/Finnpipette F2	24/07/20	1-10 µl	01/3/25	01/03/26	Unique Calibration Solution	Amala	
27	Micropipette	A/MBL/MPT/05	QH89264	Thermoscientific/Finnpipette F2	24/07/20	20-200 µl	28/2/25	28/2/26	Unique Calibration Solution	Amala	
28	Micropipette	A/MBL/MPT/06	QH89272	Thermoscientific/Finnpipette F2	24/07/20	20-200 µl	01/3/25	01/03/26	Unique Calibration Solution	Amala	
29	Micropipette	A/MBL/MPT/07	QH88916	Thermoscientific/Finnpipette F2	24/07/20	100-1000µl	01/3/25	01/03/26	Unique Calibration Solution	Amala	



Doc No:	Department of Microbiology & Infectious Serology			ISO Clause No: -----
Issue No: 01	Issue Date:	01.01.2023	Amend No: ---	Amend Date: ---
Prepared By		Reviewed By		Approved By
Technical Manager		Section Head / HOD		Lab Director
				Issued By
				Quality Manager

MOLECULAR BIOLOGY LAB MASTER LIST OF EQUIPMENT(NABL)

30	Micropipette	A/MBL/MPT/08	RW06200	Thermoscientific/Finnpipette F2	24/07/20	1-10µl	01/3/25	01/03/26	Unique Calibration Solution	Amala	
31	Micropipette	A/MBL/MPT/09	QH89620	Thermoscientific/Finnpipette F2	24/07/20	2-20µl	28/2/25	28/2/26	Unique Calibration Solution	Amala	
32	Micropipette	A/MBL/MPT/10	QH89618	Thermoscientific/Finnpipette F2	24/07/20	2-20µl	28/2/25	28/2/26	Unique Calibration Solution	Amala	
33	Micropipette	A/MBL/MPT/11	RWO6202	Thermoscientific/Finnpipette F2	24/07/20	1-10µl	28/2/25	28/2/26	Unique Calibration Solution	Amala	
34	Micropipette	A/MBL/MPT/12	QH89268	Thermoscientific/Finnpipette F2	24/07/20	20-200 µl	01/3/25	01/03/26	Unique Calibration Solution	Amala	
35	Micropipette	A/MBL/MPT/13	QH89614	Thermoscientific/Finnpipette F2	24/07/20	2-20µl	01/3/25	01/03/26	Unique Calibration Solution	Amala	
36	Micropipette	A/MBL/MPT/14	QH88924	Thermoscientific/Finnpipette F2	24/07/20	100-1000µl	01/3/25	01/03/26	Unique Calibration Solution	Amala	
37	Micropipette	A/MBL/MPT/15	RWO6203	Thermoscientific/Finnpipette F2	24/07/20	1-10µl	28/2/25	28/2/26	Unique Calibration Solution	Amala	
38	Micropipette	A/MBL/MPT/16	QH89270	Thermoscientific/Finnpipette F2	24/07/20	20-200 µl	01/3/25	01/03/26	Unique Calibration Solution	Amala	
39	Cyclomixer	A/MBL/CM/03	ZGHY-15358	REMI/CM-101 PLUS			28/2/25	27/2/26	Cyrix	Amala	



Doc No:				Department of Microbiology & Infectious Serology		ISO Clause No: -----
Issue No: 01	Issue Date:	01.01.2023	Amend No: ---	Amend Date: ---		
Prepared By		Reviewed By		Approved By		Issued By
Technical Manager		Section Head / HOD		Lab Director		Quality Manager

MOLECULAR BIOLOGY LAB MASTER LIST OF EQUIPMENT(NABL)

40	Cyclomixer	A/MBL/CM/02	0501	Rotek		28/2/25	27/2/26	Cyrix	Amala
41	Refrigerator	A/MBL/FRG/01	VC325020CK01354	Westorn	17/08/21	30/5/2025	30/5/2026	Unique Calibration Solution	Amala
42	Refrigerator	A/MBL/FRG/02	31873210100106	Westorn	20/06/20	30/5/2025	30/5/2026	Unique Calibration Solution	Amala
44	Centrifuge	A/MBL/CF/01	ZKDN15180	Remi/R-8C+		28/2/25	28/2/26	Unique Calibration Solution	Amala



DR. BETSY THOMAS
 MD, FRCOG, DNB, MICOG
 PRINCIPAL
 AMALA INSTITUTE OF MEDICAL SCIENCES
 AMALA NAGAR, THIRISSUR-680 555

Betsy

Doc No:	Department of Microbiology & Infectious Serology			ISO Clause No: -----
Issue No: 01	Issue Date:	01.01.2023	Amend No: ---	Amend Date: ---
Prepared By		Reviewed By		Approved By
Technical Manager		Section Head / HOD		Lab Director
				Issued By
				Quality Manager

S.No	Equipment Name	UID	Make and Model No.
1	Vdrl Rotator	A/MB/VDR/01	Rotek/VDRLRotator
2	Vdrl Rotator	A/MB/VDR/02	REMI/RS-12P
3	Hot Air Oven	A/MB/HAO/01	Rotek
4	Centrifuge	A/MB/CF/01	ROTEK/M-8C
5	Centrifuge	A/MB/CF/02	Remi/R-8C-BL
6	Centrifuge	A/MB/CF/03	Kemi/c-63
7	Centrifuge	A/MB/CF/04	Remi/R8C PLUS
8	Microscope-Binocular	A/MB/MS/01	Labomed/LX300
9	Microscope-Binocular	A/MB/MS/02	Labomed/LX300
10	Microscope-Binocular	A/MB/MS/04	Labomed/LX300
11	Microscope-Binocular	A/MB/MS/05	Labomed/LX300
12	Incubator	A/MB/IB/01	Beston
13	Incubator	A/MB/IB/02	Rotek
14	Incubator	A/MB/IB/03	Rotek
15	Incubator	A/MB/IB/04	Beston
16	Incubator-Universal-Di	A/MB/IB/06	BESTON/BB1-06UD
17	Incubator	A/MB/IB/07	Miracle duel incubator
18	BOD Incubator	A/MB/IB/08	Rotek
19	Electronic Weighing Balance	A/MB/WB/01	Contech/CTL-600
20	Electronic Weighing Balance	A/MB/WB/02	Contech/CA323
21	Autoclave (Vertical)	A/MB/AC/01	Ultramedisystem
22	Autoclave (Horizontal)	A/MB/AC/02	Ultramedisystem
23	Electric loop Sterlizer	A/MB/ELS/01	HiLOOP
24	Electric loop Sterlizer	A/MB/ELS/02	HiLOOP
25	Pressure Gauge	A/MB/ACPG/01	Ultrasteam
26	Pressure Gauge	A/MB/ACPG/02	Ultrasteam
27	Pressure Gauge	A/MB/ACPG/03	Ultrasteam
28	Pressure Gauge	A/MB/ACPG/04	Ultrasteam
29	Cyclomixer	A/MB/CM/01	REMI/cyclomixture
30	Biosafetycabinet	A/MB/SC/01	Beston&BBC-03GIA2
31	Biosafetycabinet	A/MB/SC/02	Beston&BBC-0355B2
32	Laminarflow	A/MB/LF/01A	Beston/BLV03SS
33	Automated Pipette	A/MB/MPT/01	Thermoscientific & Fine Pipette F3
34	Automated Pipette	A/MB/MPT/02	Thermoscientific & Fine Pipette F3
35	Automated Pipette	A/MB/MPT/03	Thermoscientific & Fine Pipette F2
36	Automated Pipette	A/MB/MPT/04	Thermoscientific & Fine Pipette F3
37	Automated Pipette	A/MB/MPT/05	Thermoscientific & Fine Pipette F3
38	Automated Pipette	A/MB/MPT/06	Thermoscientific & Fine Pipette F3



39	Automated Pipette	A/MB/MPT/07	Thermoscientific & Fine Pipette F3
40	Automated pipette	A/MB/MPT/08	Thermoscientific & Fine Pipette F3
41	Automated pipette	A/MB/MPT/09	Thermoscientific & Fine Pipette F3
42	Automated pipette	A/MB/MPT/10	Thermoscientific & Fine Pipette F3
43	Digital thermometer	A/MB/DTM/01	Baba
44	Digital thermometer	A/MB/DTM/02	DC-2
45	Digital thermometer	A/MB/DTM/03	DC-2
46	Digital thermometer	A/MB/DTM/04	DC-2
47	Digital thermometer	A/MB/DTM/05	DC-2
48	Digital thermometer	A/MB/DTM/06	BABA
49	Digital thermometer	A/MB/DTM/07	DC-2
50	Digital thermometer	A/MB/DTM/08	
51	Digital thermometer	A/MB/DTM/09	
52	THERMO HYGROMETER	A/MB/HGM/01	UNI-T
53	THERMO HYGROMETER	A/MB/HGM/02	UNI-T
54	Refrigerator	SM/MICR/FRG/03	BLUESTAR/VC400A
55	Refrigerator	SM/MICR/FRG/05	Allwyn Duro cool
56	Refrigerator	SM/MICR/FRG/02	WHIRL POOL
57	Refrigerator	SM/MICR/FRG/04	LG/GR-2511PC
58	Refrigerator	SM/MICR/FRG/06	BLUESTAR
59	Refrigerator	SM/MICR/FRG/07	BLUESTAR
60	Refrigerator	SM/MICR/FRG/01	SAMSUNG/RT27JARM ESE/TL
61	Vitek2compact	A/MB/AA/03	BIOMERIEUXM
62	Microplateelisareader	A/MB/ELR/01	Tulipgroup/lisa
63	Microplatletelisawasher	A/MB/ELW/01	LisaWash/4000
64	Autoanalyserbact/ALERT3D	A/MB/MSA/01	Biomerieux/Bact/Alert3
65	Fullyautomaticanalyzer-Bt15	A/MB/AA/02	BT1500
66	Immuno Analyser	A/MB/ICA/01	Architect/ i1000SR
67	SEMI AUTO ANALYSER	A/MB/SAA/01	Agappe/ MISPA-i3
68	Ph Meter	A/MB/PH/01	ESICO/1010
70	Water bath	A/MB/WB/01	Rotek



