EQUIPMENT DATA MATRIX

Plan Key	Equipment	Manufacturer	Model Number	Dimensions				Clearances					Electrical Data											HVAC Data																Plumbing Data															
				Bench/Floor	Height	Length	width	Front	Left Side	Right Side	Above	Rear	Volts	Amps	Phase	Hertz	# of Wires	Dedicated Circuit	Data Outlet	Disconnect Req'd	BMS connection	Hard Wired	Plug-in	Exhaust CFM (Max)	Exhaust CFM (Min)	General Exh.	Chemical Exh.	Flammable Exh.	PyroPhoric Exh.	Connection size	Static Pressure	Blast Gate	Modulating Valve	Heat Rejection/BTU/HR	Low Temperature	High Temperature	Temp. Range Tollerance	Low humidity	High Humidity	Humid. Range Tollerance	Cold Water GPM	Hot Water GPM	Acid Waste GPM	Sanitary Waste GPM	Compressed Air CFM	Compressed Air PSIG	Outlet (wall/bench)	Vacuum CFM	Vacuum " Hg	Outlet (wall/bench)	Natrual Gas CFM	Natrual Gas " W.C.	Outlet (wall/Bench)	Cooling Water GPM	Cooling Water In (Deg. F)	Cooling Water Out (Deg. F)	Cooling Water In PSIG	Cooling Water Out PSIG	Flow Diversity
	LAB #1 - DR. WISE																																																								
	RM# 481 - TOXICOLOGY ANALYSIS																																																								
L1-FH2	6 FT FUME HOOD - METAL BASE			f																																																					
L3-BC1	6 FT BIOSAFETY CABINET			f	97	86	33																																																		
L6-FZ1	-70 DEGREE FREEZER			f																																																					
L6-FZ2	-20 DEGREE FREEZER			f	51	24	27																																																		
L6-RF1	REFRIGERATOR #1			f	65	29	25																																																		
	LAB #2 - DR. WISE																																																								
	RM# 482A - TISSUE CULTURE																																																								
L6-IN1	IN1-INCUBATOR #1 & 2	NAPCO	S430	f	74	32	29																																																		
L6-IN2	IN2-INCUBATOR #3 & 4	THERMO	HEPA CLASS 100	f	83	36	28																																																		
L6-IN3	IN3- INCUBATOR #5 & 6	FORMA SCIENTI	SERIES II	f	86	26	26																																																		
L6-IN4	IN4- INCUBATOR #7 & 8	FORMA SCIENTI	SERIES II	f																																																					
L6-IN5	IN5- INCUBATOR #9 & 10	NAPCO	S430	f																																																					
L6-IN6	IN6- INCUBATOR #11 & 12	VWR SCIENTIFIC	BY NAPCO	f																																																					
L6-RF2	REFRIGERATOR #2			f	66	32	29																																																			
L6-RF3	REFRIGERATOR #3			f	81	55	36																																																			
L6-RF4	REFRIGERATOR #4			f	77	53	33																																																			
L6-M01	COULTER COUNTER			b	18	17	22																																																			
L6-C1	CENTRIFUGE #1	DUPONT	SORVALL RT 6000	b	12	30	26																																																		
L6-C2	CENTRIFUGE #2	BECKMAN	GS-6R	b																																																						
L6-C3	CENTRIFUGE #3	BECKMAN	GS-6R	b																																																						
L6-C4	CENTRIFUGE #4	BECKMAN	GS-6R	b																																																						
L6-WB1	WATER BATH #1			b	13	29	15																																																			
L6-WB2	WATER BATH #2			b	13	29	15																																																			
L6-WB3	WATER BATH #3			b	14	16	19																																																			
L3-BC2	4 FT BIOSAFETY CABINET			f	93	57	34																																																			
L3-BC3	4 FT BIOSAFETY CABINET			f	95	57	33																																																			
L3-BC4	6 FT BIOSAFETY CABINET			f	97	86	33																																																			
L3-BC5	6 FT BIOSAFETY CABINET			f	93	85	32																																																			
L3-BC6	6 FT BIOSAFETY CABINET			f	93	85	32																																																			
L6-MC1	MICROSCOPE 1			b	26	11	18																																																			
L6-MC2	MICROSCOPE 2			b	30	34	35																																																			
L6-FZ3	-20 DEGREE FREEZER			f	71	32	31																																																			
	LAB #3																																																									
	RM# 486 - PREP PCR																																																									
L1-FH1	4 FT FUME HOOD - ACID STORAGE BELOW			f																																																						
L6-RF5	REFRIGERATOR			f	64	28	25																																																			
L6-FZ4	-20 DEGREE FREEZER			f	71	31	32																																																			
L6-LN1	LIQUID NITROGEN TANK			f	62	26	26																																																			
L6-LN2	LIQUID NITROGEN FREEZER			f	55	39	45																																																			
L6-M2	HUMIDITY CHAMBER			b	45	38	28																																																			
L3-BC7	6 FT BIOSAFETY CABINET			f	85	78	34																																																			
L4-M19	ENVIRONMENTAL CHAMBER																																																									
	LAB #4																																																									
	RM# 492 - MARINE MAMMAL TISSUE CULTURE																																																									
L6-FZ5	-20 DEGREE FREEZER			f	71	32	31																																																			
L6-RF6	REFRIGERATOR			f	77	53	33																																																			
L3-BC8	4 FT BIOSAFETY CABINET			f	93	57	34																																																			

EQUIPMENT DATA MATRIX

Plan Key	Equipment	Manufacturer	Model Number	Bench/Floor	Dimensions: Height	Dimensions: Length	Dimensions: width	Clearances: Front	Clearances: Left Side	Clearances: Right Side	Clearances: Above	Clearances: Rear	Electrical Data: Volts	Amps	Phase	Hertz	# of Wires	Dedicated Circuit	Data Outlet	Disconnect Req'd	BMS connection	Hard Wired	Plug-in
L3-BC9	6 FT BIOSAFETY CABINET			f	97	86	33																
L6-IN7	IN7- INCUBATOR	NUAIRE	US AUTOFLOW	f	83	36	28																
L6-IN8	IN8-INCUBATOR - FUTURE			f	83	36	28																
L6-IN9	IN9-INCUBATOR - FUTURE			f	83	36	28																
L6-M18	RELOCATED ICE MACHINE (TEMPORARY)			f																			
	LAB #5																						
	RM# 494 - MOLECULAR EPIDEMIOLOGY																						
L6-FZ6	-70 DEGREE FREEZER #1			f																			
L6-FZ7	-70 DEGREE FREEZER #2			f																			
L6-FZ8	-70 DEGREE FREEZER #3			f																			
L6-FZ9	-70 DEGREE FREEZER #4			f																			
L1-FH3	6 FT FUME HOOD - METAL BASE			f																			
L6-M18	RELOCATED ICE MACHINE			f																			
	LAB #6																						
	RM 496 - GENOMIC INSTABLILITY																						
L4-FURN11	MARKERBOARDS BY OWNER																						
L4-FURN12	MARKERBOARD BY OWNER																						
	LAB #7																						
	RM# 493 A/B - COMET/MICRO-ARRAY																						
L6-WB4	WATER BATH #4			b	12	15	8	8	1	1	10	5	110										
L6-WB5	WATER BATH #5			b	10	8	17	8	1	1	10	5	110										
L6-WB6	WATER BATH #6			b	12	9	16	10	1	1	10	2	110										
L6-WB7	WATER BATH #7			b	10	8	15	10	2	2	10	2	110										
L6-WB8	WATER BATH #8			b	10	9	16	10	2	2	10	2	110										
L6-C5	CENTRIFUGE #5			b	14	18	25	2	5	5	22	2	110										
L6-M3	VORTEXER			b	6.5	6	5	5	2	2	10	5	110										
L6-M4	BATH #4			b	12	15	8	10	2	2	10	2	110										
L6-M5	BATH #80			b	10	8	16	10	2	2	10	2	110										
L6-RF7	REFRIGERATOR			f	80	52	35	4	2	2	5	3	110										
L6-RF8	REFRIGERATOR / FREEZER			f	65	28	25	28	2	2	5	5	110										
L6-M6	SHOCK MACHINE			b	6.5	14	10	10	5	5	10	5	110										
L6-C6	SUPER CENTRIFUGE #6			b	11	12	7.8	8	2	2	10	5	110										
L6-M7	GENEPI 4200A			b	18	25	38	5	2	2	5	2	110										
L6-C7	MINI-CENTRIFUGE			b	4	5	5	15	5	5	5	5	115			60							
L6-M12	PCR			b	8	9.5	14	10	2	2	10	2	110										
L6-M8	QRCR			b	20	51	20	5	5	2	5	3	110										
L6-M13	PCR			b	8	9.5	14	10	2	2	10	2	110										
L6-M9	SLIDE WARMER			b	4	25	8.5	15	2	2	15	2	110										
L6-M10	HEATBOLT			b	3.5	9	8	15	2	2	15	2	110										
-	PIPET			b	21	4.5	12	10	1	1	1	1	110										
-	SHARP CONTAINER			b	10	11	7	10	2	2	10	2	110										
L6-M11	STIRRER HOTPLATE			b	4	7.5	8	15	2	2	10	2	110										
L6-MW1	MICROWAVE			b	15	24	15	10	2	2	5	5	110										
	LAB #8																						
	RM# 489 - MICROSCOPY																						
L6-MC3	MICROSCOPE #3	Table: Technical	63-562/BX-51		68	48	40	30	0	0		0	120	10	1	60	3		1				
L6-MC4	CONFOCAL MICROSCOPE	Table: Kinetic Sys	5704-3036-21/IX81		80	53	36	30	0	0		0	120	20	1	60	10		1				

Plan Key	Equipment	HVAC Data: Exhaust CFM (Max)	Exhaust CFM (Min)	General Exh.	Chemical Exh.	Flammable Exh.	PyroPhoric Exh.	Connection size	Static Pressure	Blast Gate	Modulating Valve	Heat Rejection/BTU/HR	Low Temperature	High Temperature	Temp. Range Tollerance	Low humidity	High Humidity	Humid. Range Tollerance
L3-BC9	6 FT BIOSAFETY CABINET																	
L6-IN7	IN7- INCUBATOR																	
L6-IN8	IN8-INCUBATOR - FUTURE																	
L6-IN9	IN9-INCUBATOR - FUTURE																	
L6-M18	RELOCATED ICE MACHINE (TEMPORARY)																	
	LAB #5																	
	RM# 494 - MOLECULAR EPIDEMIOLOGY																	
L6-FZ6	-70 DEGREE FREEZER #1																	
L6-FZ7	-70 DEGREE FREEZER #2																	
L6-FZ8	-70 DEGREE FREEZER #3																	
L6-FZ9	-70 DEGREE FREEZER #4																	
L1-FH3	6 FT FUME HOOD - METAL BASE																	
L6-M18	RELOCATED ICE MACHINE																	
	LAB #6																	
	RM 496 - GENOMIC INSTABLILITY																	
L4-FURN11	MARKERBOARDS BY OWNER																	
L4-FURN12	MARKERBOARD BY OWNER																	
	LAB #7																	
	RM# 493 A/B - COMET/MICRO-ARRAY																	
L6-WB4	WATER BATH #4																	
L6-WB5	WATER BATH #5																	
L6-WB6	WATER BATH #6																	
L6-WB7	WATER BATH #7																	
L6-WB8	WATER BATH #8																	
L6-C5	CENTRIFUGE #5																	
L6-M3	VORTEXER																	
L6-M4	BATH #4																	
L6-M5	BATH #80																	
L6-RF7	REFRIGERATOR																	
L6-RF8	REFRIGERATOR / FREEZER																	
L6-M6	SHOCK MACHINE																	
L6-C6	SUPER CENTRIFUGE #6																	
L6-M7	GENEPI 4200A																	
L6-C7	MINI-CENTRIFUGE																	
L6-M12	PCR																	
L6-M8	QRCR																	
L6-M13	PCR																	
L6-M9	SLIDE WARMER																	
L6-M10	HEATBOLT																	
-	PIPET																	
-	SHARP CONTAINER																	
L6-M11	STIRRER HOTPLATE																	
L6-MW1	MICROWAVE																	
	LAB #8																	
	RM# 489 - MICROSCOPY																	
L6-MC3	MICROSCOPE #3												60	80				
L6-MC4	CONFOCAL MICROSCOPE												60	80				

Plan Key	Equipment	Plumbing Data: Cold Water GPM	Hot Water GPM	Acid Waste GPM	Sanitary Waste GPM	Compressed Air CFM	Compressed Air PSIG	Outlet (wall/bench)	Vacuum CFM	Vacuum " Hg	Outlet (wall/bench)	Natrual Gas CFM	Natrual Gas " W.C.	Outlet (wall/Bench)	Cooling Water GPM	Cooling Water In (Deg. F)	Cooling Water Out (Deg. F)	Cooling Water In PSIG	Cooling Water Out PSIG	Flow Diversity
L3-BC9	6 FT BIOSAFETY CABINET																			
L6-IN7	IN7- INCUBATOR																			
L6-IN8	IN8-INCUBATOR - FUTURE																			
L6-IN9	IN9-INCUBATOR - FUTURE																			
L6-M18	RELOCATED ICE MACHINE (TEMPORARY)																			
	LAB #5																			
	RM# 494 - MOLECULAR EPIDEMIOLOGY																			
L6-FZ6	-70 DEGREE FREEZER #1																			
L6-FZ7	-70 DEGREE FREEZER #2																			
L6-FZ8	-70 DEGREE FREEZER #3																			
L6-FZ9	-70 DEGREE FREEZER #4																			
L1-FH3	6 FT FUME HOOD - METAL BASE																			
L6-M18	RELOCATED ICE MACHINE																			
	LAB #6																			
	RM 496 - GENOMIC INSTABLILITY																			
L4-FURN11	MARKERBOARDS BY OWNER																			
L4-FURN12	MARKERBOARD BY OWNER																			
	LAB #7																			
	RM# 493 A/B - COMET/MICRO-ARRAY																			
L6-WB4	WATER BATH #4																			
L6-WB5	WATER BATH #5																			
L6-WB6	WATER BATH #6																			
L6-WB7	WATER BATH #7																			
L6-WB8	WATER BATH #8																			
L6-C5	CENTRIFUGE #5																			
L6-M3	VORTEXER																			
L6-M4	BATH #4																			
L6-M5	BATH #80																			
L6-RF7	REFRIGERATOR																			
L6-RF8	REFRIGERATOR / FREEZER																			
L6-M6	SHOCK MACHINE																			
L6-C6	SUPER CENTRIFUGE #6																			
L6-M7	GENEPI 4200A																			
L6-C7	MINI-CENTRIFUGE																			
L6-M12	PCR																			
L6-M8	QRCR																			
L6-M13	PCR																			
L6-M9	SLIDE WARMER																			
L6-M10	HEATBOLT																			
-	PIPET																			
-	SHARP CONTAINER																			
L6-M11	STIRRER HOTPLATE																			
L6-MW1	MICROWAVE																			
	LAB #8																			
	RM# 489 - MICROSCOPY																			
L6-MC3	MICROSCOPE #3							0.5	120	W										
L6-MC4	CONFOCAL MICROSCOPE							0.5	120	W										

EQUIPMENT DATA MATRIX

Plan Key	Equipment	Manufacturer	Model Number	Bench/Floor	Dimensions: Height	Dimensions: Length	Dimensions: width	Clearances: Front	Clearances: Left Side	Clearances: Right Side	Clearances: Above	Clearances: Rear	Electrical Data: Volts	Electrical Data: Amps	Electrical Data: Phase	Electrical Data: Hertz	Electrical Data: # of Wires	Electrical Data: Dedicated Circuit	Electrical Data: Data Outlet	Electrical Data: Disconnect Req'd	Electrical Data: BMS connection	Electrical Data: Hard Wired	Electrical Data: Plug-in	HVAC Data: Exhaust CFM (Max)	HVAC Data: Exhaust CFM (Min)	HVAC Data: General Exh.	HVAC Data: Chemical Exh.	HVAC Data: Flammable Exh.	HVAC Data: PyroPhoric Exh.	HVAC Data: Connection size	HVAC Data: Static Pressure	HVAC Data: Blast Gate	HVAC Data: Modulating Valve	HVAC Data: Heat Rejection/BTU/HR	HVAC Data: Low Temperature	HVAC Data: High Temperature	HVAC Data: Temp. Range Tollerance	HVAC Data: Low humidity	HVAC Data: High Humidity	HVAC Data: Humid. Range Tollerance	Plumbing Data: Cold Water GPM	Plumbing Data: Hot Water GPM	Plumbing Data: Acid Waste GPM	Plumbing Data: Sanitary Waste GPM	Plumbing Data: Compressed Air CFM	Plumbing Data: Compressed Air PSIG	Plumbing Data: Outlet (wall/bench)	Plumbing Data: Vacuum CFM	Plumbing Data: Vacuum " Hg	Plumbing Data: Outlet (wall/bench)	Plumbing Data: Natrual Gas CFM	Plumbing Data: Natrual Gas " W.C.	Plumbing Data: Outlet (wall/Bench)	Plumbing Data: Cooling Water GPM	Plumbing Data: Cooling Water In (Deg. F)	Plumbing Data: Cooling Water Out (Deg. F)	Plumbing Data: Cooling Water In PSIG	Plumbing Data: Cooling Water Out PSIG	Flow Diversity
L6-MC5	SLIDE AUTOMATED MICROSCOPE	Table: TMC/Sco	63-563/BX-51	TABLES BY OTHERS	55	48	40	30	0	0	MAXIMUM	0	120	10	1	60	2		1																60	80								0.5	120	W											
L6-MC6	SPECTRAL IMAGE MICROSCOPE	Table: TMC/Sco	63-562/BX-61		62	48	40	30	0	0		0	120	10	1	60	2		1																60	80								0.5	120	W											
L6-MC7	ZEISS MICROSCOPE	Table: TMC/Sco	63-531		58	36	34	30	0	0		0	120	5	1	60	3		1																60	80								0.5	120	W											
L6-M16	150 SLIDE COMPUTER	Dell			17	7	18	0	0	15		0	120	3	1	60	2		1																60	80																						
L6-M17	150 SLIDE LOADER	Table: TMC/Sco	63-563/BX-51		55	48	40	30	0	0		0	120	10	1	60	2		1																60	80								0.5	120	W											
L6-M15	CONTROL BOXES COMPRESSOR	-	-		17	31	20	0	0	0		0	120	8	1	60	1		0																60	80																						
L6-M14	COMPRESSOR	-	-		17	15	21	0	0	0		0	120	2	1	60	1		0																60	80																						
L6-AX1	AXIOMAT	Table: TMC/Sco	63-562/47 56 20-99		60	48	40	30	0	0		0	120	5	1	60	4		1																60	80								0.5	120	W											
L6-FC1	FILE CABINETS (3)	Steelcase			59	45	29	30	0	0		0	120	0	1	60	0		0																60	80																						
L6-MC8	TABLE WITH 1 STUDENT SCOPE	OLYMPUS	CX31		60	72	30	30	0	0		0	120	8	1	60	6		2																																								
L6-MC9	TABLE WITH 1 STUDENT SCOPE	OLYMPUS	CX31																																																							
L4-FURN10	HEAVY DUTY SHELVES (SLIDES)																																																										
	ADMINISTRATION																																																										
L4-COP1	COPIER																																																										
L4-PRTR1	PRINTER																																																										
L4-PRTR2	PRINTER																																																										
L4-FURN1	RECEPTION DESK																																																										
L4-FURN2	SHELVES BY OWNER																																																										
L4-FURN3	SHELVES BY OWNER																																																										
L4-FURN4	SHELVES BY OWNER																																																										
L4-FURN5	SHELVES BY OWNER																																																										
L4-FURN6	SHELVES BY OWNER																																																										
L4-FURN7	SHELVES BY OWNER																																																										
L4-FURN8	SHELVES BY OWNER																																																										
L4-FURN9	SHELVES BY OWNER																																																										
L4-FURN13	SHELVES BY OWNER																																																										
L4-FURN14	SHELVES BY OWNER																																																										
L4-FURN15	SHELVES BY OWNER																																																										
L4-FURN16	SHELVES BY OWNER																																																										
L4-FURN17	SHELVES BY OWNER																																																										
L4-FURN18	SHELVES BY OWNER																																																										
L4-FURN19	SHELVES BY OWNER																																																										
L4-FURN20	SHELVES BY OWNER																																																										
L4-FURN21	MARKERBOARD BY OWNER																																																										
L4-FURN22	SHELVES BY OWNER																																																										
L4-FC2	FILING CABINETS BY OWNER																																																										
L4-FC3	FILING CABINETS BY OWNER																																																										
	Key:																																																										
	L1 = Purchased by contractor, installed by contractor																																																										
	L2 = Purchased by contractor, installed by owner																																																										
	L3 = Purchased by owner, installed by contractor																																																										
	L4 = Purchased by owner, installed by owner																																																										
	L5 = Existing, constractor installed																																																										
	L6 = Existing, owner installed																																																										
	v = Varies																																																										