

# NATIONAL INSTITUTES OF HEALTH - UP MANILA

## Institute of Herbal Medicine Laboratory Equipment

### Location

B Benchtop  
F Floor standing: incl self-mounted on cart  
W Wall Mounted

width: left to right

depth: front to back

Do not include clearances; Describe required clearances in remarks.

### Utility Legend

SP = Special Plug Type  
EP = Emergency Power  
UPS = Uninterruptible Power  
ALR = Alarm  
CW = Cold Water  
HW = Hot Water  
PW = Purified Water  
CA = Compressed Air  
VAC = Vacuum  
EXH = Local Exhaust  
HV = High Vacuum  
HE = Helium  
N2 = Nitrogen  
ChW = Chilled Water  
CS = Clean Steam  
STM = Steam

### Specialty Gases Legend

G1 = CO<sub>2</sub>  
G2 = Natural Gas  
G3 = O<sub>2</sub>  
G4 = Suction (Patient Care)  
G5 =

Eq No.	Description	Qty	Existing Future	Loc	Dimensions (mm)			Electrical							Utilities and Gases																
					W	D	H	Volts	Amps	Watts	Phase	SP	EP	UPS	ALR	CW	HW	PW	CA	VAC	EXH	HV	HE	N2	ChW	CS	STM	G1	G2	G3	G4
1	1 Chest Freezer	1	E	F	940	640	900	220					x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
1	2 Upright Freezer	1	E	F	530	610	1250	230	1																						
2	3 Mill	1	E	F	640	600	1140	220	7	1000			x	x	x	x	x	x	x	Y	Y	x	x	x	x	x	x	x	x	x	x
3	4 Freeze-Dryer	1	F	F	740	600	965	220		1500	single		x		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
4	5 Tabletting Machine	1	F	F																											
5	6 Filling Machine	1	F	B																											
6	7 Vegetable Drying Machine	2	F	F																											
7	8a Rotary Evaporator	1	F	B	385	335	610	220		50			x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
8	8b Digital Water Bath	1	F	B	260	260	240	230		1000			x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
9	8c Vacuum Pump	1	F	B	172	352	223	230		150			x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
10	8d Recirculating Cooler	1	F	B	206	401	540	230					x	x	x	x		x	x	x	x	x	x	x	x	x	x	x	x	x	x
11	Drying Oven	1	E	F	970	1010	1800	230					x	x	x	x	x	x	x	x	Y	x	x	x	x	x	x	x	x	x	x
12	Polygraph	1	E		585	788	1680	220																							

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G5
X
X
X
X
X
X
X
X