

Lab Equipment Specification		
Oven dry (lab)	-dimensions:115"Wx160"Lx113"H	for horticulture research program laboratory
	-material thermal combustion: 800°F	
	-average cleaning and drying time cycle: between 4 and 30 minutes	
	-total natural gas: from 1,200,000BTU/hr to 1,2000,000BTU/hr	
	-insulation rating: 2,300°F	
Sensitive balance (Lab)	-Measuring range. 0-310g	horticulture research program laboratory
	- Resolution 0.001g	
	- Piece counting function	
	-RS-232 interference	
	-external calibration	
Microscope (lab)	Objective powers: 4x, 10x, 40x and 100x. The other objectives are also used in many situations: 1x, 2x, 20x, 60x, 63x, and 80x. Eyepieces with 10x, 16x and 20x. Magnification range: 10x to 2000x. The light comes from the bottom so the specimen will need to be on a slide. It's transparent and the light will go through the specimen and enter the objective. Light: tungsten, halogen, or LED and the power of each type Condenser: simple lens, bright-field with iris, dark field. Stage: mechanical stage or manual clamps. Viewing head: monocular, binocular and trinocular. Noise piece: forward, backward (reversed), triple (3), quadruple (4), quintuple (5).	for plant pathology program laboratory
Deep freezer(lab)	30 cubic ft(850 liters),laboratory upright freezer, temperature range, 0-40°C	for plant pathology program laboratory
Water bath (lab)	-Thermoscientific precision water bath	for plant pathology program laboratory
	-capacity: 22 liters	
	-temperature range and accuracy: ambient +5°C-100°C,+/-0.1°C (all models)	
Vortex mixer (lab)	- speed range: 0-3300 rpm	for soil laboratory
	-shaking motion: orbital	
	-controller: analog phase controller	
	-material: aluminium die-casting with powder coating	
Centrifuge, variable speed (lab)	Brushless drive centrifuge, complete with 12 place rotors.	for plant pathology program laboratory
	• LED display of speed & time • 10 Accel/Decel rates	
	• Digital control of parameters • 10 Memory programs	
	• Automatic soft start • 1-90 second pulse (Quick Spin)	
	• Program speed or Ref • CE Marked	
	• End of run alarm	
Plant growth chamber (lab)	G Series Plant Growth Chamber:	for plant pathology program laboratory
	Special features in the G Series include:	
	Microprocessor control	
	Specular interiors	
	Barriered light caps	
	Redundant refrigeration system	
	Heavy duty lockable casters	