

## Discover<sup>®</sup> SP-X 80™ and Explorer System Site Preparation Guide

The System may be installed directly on a laboratory bench when using the fume cabinet that has been properly vented or in a laboratory fume hood. To install a Discover<sup>®</sup>SP-D80™ System, the user will need to provide the following services and space:

### Chose a location that:

- provides at least 8 in. (20 cm) of open space on each side and 6 in. (15 cm) of open space in the rear of the instrument for ventilation
- allows free access to the microwave access port and provides clear visual access to the display of the system
- provides adequate space for sample handling (and additional space for laptop placement
- permits the system to be connected to dedicated, grounded 120 VAC outlets. The System should be operated on a stabilized, constant voltage AC power supply. To operate properly, the voltage must be within  $\pm 10\%$  of the specified level.

### The system has overall dimensions of:

- Discover<sup>®</sup> SP-X 80 with Exhaust Blower:  
23”(w) x 18”(d) x 10”(h)
- Discover<sup>®</sup> SP-X 80 with Explorer and Fume Cabinet:  
22”(w) x 23”(d) x 35”(h)

### The system peripherals have overall dimensions of:

- CEM laptop - *to be located within ten (10) ft. of the system:* 13”(w) x 10”(d) x 11”(h) (Requires own outlet)

### The System has electrical requirements of:

- 110 - 140 VAC, 60Hz, 10 Amp at 120 VAC
- 2 outlets required

### The system requires:

- 30 psi minimum continuous compressed air or nitrogen
- 60 psi maximum continuous compressed air or nitrogen
- a CEM supplied regulator (provided in SP-X™ accessory kit) with associated tubing [8’(l) x ¼”(O.D.)], quick fittings and adapters [¼”, 3/8”, and ½”] to administer the proper flow of the compressed gas source to the system

### The laptop:

- (Base Unit) Pentium M 1.6GHz or higher, (Memory) 1G, (Hard Drive) 40GB, (Operating System) Windows XP or later, English version.
- Connects and communicates with the system via Ethernet cable, cannot be installed wirelessly, cannot control multiple systems simultaneously, and is not to be placed in the fume hood