



General Site Preparation

This guide provides the information you need to prepare your site for installation and operation of the Discover SP-D™ Clinical system. Visit the Discover SP-D Clinical page on the CEM website for access to additional documentation. A CEM login is required.

Location

- Unit may be installed directly on a laboratory bench when using the fume cabinet that has been properly vented
- 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)

Instrument Dimensions

- Discover SP-D Clinical with Explorer and fume cabinet
 - › Unit Footprint: 17" (43 cm) W x 23" (58 cm) D x 35" (89 cm) H
 - › Recommended counter space: 33" (84 cm) W x 29" (74 cm) D x 35" (89 cm) H
 - › The above provides 8" (20 cm) of open space on each side and 6" (15 cm) of open space in the rear of the instrument for ventilation
- Additional space required for Laptop
 - › Laptop must be located within 10' of the unit

Electrical Requirements

- 3 outlets (unit, computer and fume cabinet)
- Dedicated, grounded outlets no more than 8.2' (2.5 M) from unit
- Line voltage must not vary more than 10% of its specified level
- Discover SP-D Clinical with Automation:
 - › 100/120 VAC, 60Hz, 10 Amp at 120 VAC or
 - › 240 VAC, 50Hz, 5 Amp at 240 VAC
- Fume Cabinet:
 - › 120 VAC, 60Hz, 2 Amps at 120 VAC or
 - › 230 VAC, 50Hz, 1 Amps at 230 VAC

Environmental Constraints

- A Temperature range of 50°F (10°C) to 85°F (29.4°C)
- A fume hood within 10 feet of unit or adequate exhaust that pulls a minimum of 30.5 CFM at point of connection
- Instrument is supplied with a ten foot long exhaust hose with a 2" ID
- Relative humidity must not exceed 85%

Compressed Air or Nitrogen

- 25 psi minimum continuous, clean, dry compressed air or nitrogen (3.0 scfm rated flow)
- 60 psi maximum continuous, clean, dry compressed air or nitrogen (3.0 scfm rated flow)