Aseptic Technique
Vertical Laminar Airflow Hood Manual (sample)

**Control Panel**
Contains the switches and buttons that operate the lights and blower.

**Sash**
An adjustable, transparent shield that forms the front of the hood. Guides the air flow downward. Facilitates laminar flow along the front of the hood until the air reaches the return air vents.

**Air Return Vents**
Allows clean, HEPA filtered air to return through a plenum and back up into the filter. This provides already clean air to the filter, increasing system efficiency.

**HEPA filters**
Filters microscopic viable and non-viable particles from the air leaving the hood and entering the work space.

**Vertical Model**

**Blower**
Provides the airflow that gives the hood laminar flow, pushing the air through the filters.

**Outlet**
Provides power to electrical outlets within the hood.

**Pressure Gauge**
Measures the differential pressure between the outside air and the air in the hood. The air pressure in the hood must be high enough to prevent outside air from entering the hood below the sash or where "leakage" occurs.

**Light**
Provides fluorescent lighting in the hood to illuminate the work area. Some hoods also have ultraviolet lamps to disinfect the hood when it is not in operation. The UV lamp comes on only after the sash is lowered to the bottom of the hood.

**Window Alarm**
When switched on, the alarm will sound if the sash height is too high.
Sash Height
It is important to keep the sash at the recommended height to minimize the amount of air that escapes from the hood and provide for maximum air recirculation throughout the hood.