Class II (laminar flow) biosafety cabinetry

3 Definitions

3.x chemical resistance: Capability of materials to maintain their original surface characteristics under prolonged contact with cleaning compounds, decontaminating agents, and normal conditions of the use environment.

3.x closed: Fabricated with no openings exceeding 0.031 in (0.079 cm).

3.x concurrent balance value: This value is determined using the duct traverse measurement method a minimum of 7.5 duct diameters downstream of a direct connected BSC. Prior to determining the concurrent balance value, it shall be confirmed that the cabinet is operating at its nominal setpoints for inflow and downflow velocity +/-3 fpm. The primary DIM method shall be used for setting the inflow velocity. The static pressure is also measured approximately two duct diameters from the cabinet exhaust connection. Appropriate filter load and tolerance values shall be added to the base static pressure value to accommodate filter loading: 0.3” w.g. shall be added for Type B1 cabinets and 0.7” w.g. shall be added for Type B2 cabinets. The resulting values may be used for design and balance exhaust/supply HVAC requirements.

3.x decontamination: Inactivation or destruction of infectious agents or neutralization of toxic agents.