

# ATTACHMENT A

## SPECIFICATIONS, TERMS & CONDITIONS FOR BIOLOGICAL SAFETY CABINETS

All testing and certification work is conducted in accordance with appropriate testing standards as follows:

Biological safety cabinets are tested in accordance with:

NSF Standard #49

NIH-03-112C

Manufacturer's specifications

1. Vendor certifies that the laminar flow biological safety cabinets provided will meet the minimum performance standards as outlined in NSF Standard No. 49. The manufacturer or distributor is required to submit documented proof, in writing, that all performance tests have been completed.
2. An easily accessible DOF test port shall be provided immediately upstream of the HEPA filters.
3. A minimum face velocity of 100 LFPM of supply air through the work access opening shall be provided. The cabinet must be capable of attaining the maximum face velocity specified by manufacturer's criteria while maintaining proper airflow balance.
4. A magnahelic gauge shall be provided for indicating the differential pressure across the recirculated-air filter.
5. A variable speed motor with blower speed control(s) that is secure from casual adjustment.
6. If the viewing screen is moveable or hinged, it must have an audible and/or visual warning device to indicate improper placement.
7. All interior work surfaces subject to splash and spillage shall have seamless joints welded and ground smooth, or the joints must be caulked in such a manner to allow for thorough cleaning while maintaining the ability to prevent leaks leading to exposure or contamination.
8. The vendor will include a full description of factory testing and warranty provisions.
9. Delivery: the vendor will deliver the unit(s) to the University Receiving Department. Unless otherwise specified, the unit(s) will be transported to the ordering department where it/they will be set up by the University.
10. The University Environmental Health & Safety Department (EH&S) will test all cabinets for velocity, flow, smoke, leakage, electrical, UV light, etc. for University certification. The certification will be based solely on tests performed by EH&S. The first series of tests will be performed at no charge to the vendor. Each test thereafter shall be charged to the vendor at \$150.00 per test.

If the cabinet fails EH&S certification, the vendor will furnish no-charge, on-site service, on a timely basis, to bring the cabinet to the required standards. EH&S will charge the vendor for any adjustments, repairs, or troubleshooting performed by EH&S. EH&S will notify the vendor before committing the time.

Failure to meet the minimum standards after 2 attempted certifications by the University may be cause for cancellation of the order and return of the equipment at no charge to the University. Such a decision is at the sole discretion of the University.