



Biosafety Cabinet Certification

TSS offers comprehensive testing, certification, and maintenance of biological safety cabinets. Our skilled technicians are authorized to perform warranty repairs for all major equipment manufacturers. All testing is performed in accordance with established TSS standard operation procedures [SOPs], which are updated to remain compliant with federal and international safety guidelines, current good manufacturing practices [cGMPs], and our ISO 9001 certified quality system.

Biological safety cabinets [BSCs] are certified to meet NSF/ANSI 49, OSHA, NIH/CDC and the manufacturer's specifications.

Primary tests performed include:

- Inflow velocity measurements – assures that a safe inflow is maintained to protect the operator and product from contamination
- Downflow velocity measurements – documents that the air in the work area is unidirectional, preventing cross contamination
- HEPA filter integrity testing – tests system for leakage or defects
- Airflow visualization testing – qualitatively verifies airflow direction
- Site installation testing and alarm calibration – assesses appropriate procedures for the installation of units for NSF and OSHA compliance

Optional tests include:

- Non-viable particle counting
- Electrical safety testing
- Fluorescent and UV light testing – assures fluorescent lighting levels are sufficient to prevent operator fatigue and UV lighting operates adequately
- Pressure decay and cabinet integrity testing
- Vibration testing
- IOPQ validation
- Sound testing

The routine certification of your biosafety cabinet is vital to the safety of your laboratory technicians and the validity of your research. TSS maintains the largest and most experienced staff of NSF Accredited service technicians in the United States.

One call puts you in touch with the TSS regional office nearest you.

Contact us at 800.877.7742 to discuss your specific needs and to schedule services.

For additional information, please visit us online at www.techsafety.com.