

Standard Operating Procedure Biohazard Class II Cabinet Airflow Smoke Patterns	SOP No. 8.049
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1 Purpose

- 1.1 To establish a standard procedure to determine the following:
 - a) Airflow along the entire perimeter of the work access opening is inward
 - b) Airflow within the work area is downward with no dead spots or refluxing
 - c) Ambient air does not pass on or over the work surface
 - d) Air does not reflux to the outside at the window wiper gasket and side seals.

2 Scope

- 2.1 This procedure applies to Class II Biohazard Cabinets.

3 Reference

- 3.1 NSF Standard 49, 2002.

4 Definition

- 4.1 None

5 Responsibility

- 5.1 Test and Balance (TAB) technicians shall record test results, Pass or Fail, on Form FN 8.057.1 (Biohazard Safety Cabinet Test Report Summary Sheet).
- 5.2 All test reports shall be saved in files, located in the TAB department of Therma.
- 5.3 All test equipment utilized shall be in calibration in accordance with National Environmental Balancing Bureau (NEBB) Standards and traceable to the National Institute of Standards and Technology (NIST).

6 Materials Requirement

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- 6.1 DI water
- 7 Test Equipment
 - 7.1 A source of visible cold smoke.
- 8 Procedures
 - 8.1 Generate visible, cold smoke.
 - 8.2 Refer to NSF 49, Annex F, Section F.4, Subsection F.4.3 for procedures and Subsection F.4.4 for standards of acceptance.
 - 8.3 Indicate Pass or Fail for each smoke test in the appropriate check box on the Form FN 8.057.1 (Biological Safety Cabinet Test Report Summary Sheet).
- 9 Review and Approval
 - 9.1 TAB technicians shall return the Form FN 8.057.1 (Biohazard Cabinet Report Summary Sheet) to the TAB Department for review.

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Document Approval


 Test and Balance Supervisor

10/01/03
 Date


 Engineering Manager

16/01/03
 Date


 Quality Assurance Manager

11-15-03
 Date

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