

Standard Operating Procedure Biohazard Class II Cabinet Site Installation Assessment Tests	SOP No. 8.058
--	------------------

DCR No.: 03027
Revision No.: 0

Effective: 10-1-03
Supersedes: 10-1-03
Revision Date: 10-1-03
Page No.: **1 of 3**

1 Purpose

- 1.1 To establish a standard procedure to verify that the biohazard safety cabinet is integrated properly into the facility including:
 - a) Biohazard Cabinet airflow alarms (Excluding building automation systems).
 - b) Biohazard Cabinet sash alarms
 - c) Supply fan interlocks on Type B2 Biohazard Cabinets
 - d) Exhaust system performance (Canopy or Thimble type connections)

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 all test results on Form FN 8.057.1 (Biohazard Safety Cabinet Test Report Summary Sheet) in the "Site Installation Assessment Tests" sections.
- 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

THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF THERMA CORPORATION. ALL INFORMATION SHALL (A) BE RETAINED IN CONFIDENCE; (B) NOT BE REPRODUCED IN WHOLE OR IN PART; AND (C) NOT BE USED OR INCORPORATED IN ANY PRODUCT EXCEPT UNDER EXPRESSED WRITTEN AGREEMENT WITH THERMA CORPORATION.

Revision No.	SOP No.	Page
0	8.058	2 of 3

- 6.1 Deionized (DI) water
- 7 Test Equipment
 - 7.1 Nebulizer or a visible source of cold smoke
- 8 Procedures
 - 8.1 Alarms
 - 8.1.01 Airflow Alarms - Refer to NSF 49, Annex F, Section F.7, Subsection F.7.3.1.1 for procedures and standards of acceptance.
 - 8.1.02 Sash Alarms - Refer to NSF 49, Annex F, Section F.7, Subsection F.7.3.1.2 for procedures and standards of acceptance.
 - 8.2 Interlocks
 - 8.2.01 Refer to NSF 49, Annex F, Section F.7, Subsection F.7.3.2 for procedures and standards of acceptance.
 - 8.3 Exhaust System Performance-Canopy (Thimble) Connection
 - 8.3.01 Fill Nebulizer water container to the maximum fill indication line. Replace container cover and ensure all hoses are connected correctly.
 - 8.3.02 Switch on the Nebulizer and adjust the DI steam flow to a steady, slow stream.
 - 8.3.03 Refer to NSF 49, Annex F, Section F.7, Subsection F.7.3.3 for procedures and standards of acceptance.
 - 8.4 Indicate Pass or Fail for each Installation Assessment test in the appropriate checkbox on the Biological Safety Cabinet Test Report Summary Sheet, FN 8.057.1.
- 9 Review and Approval
 - 9.1 TAB technicians shall return the Biohazard Safety Cabinet Test Report Summary Sheet, FN 8.057.1 to the TAB Department for review.

Revision No.	SOP No.	Page
0	8.058	3 of 3

Document Approval



 Test & Balance Supervisor

10/01/03

 Date



 Engineering Manager

10/01/03

 Date



 Quality Assurance Manager

10/1/03

 Date

THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION OF THERMA CORPORATION. ALL INFORMATION SHALL (A) BE RETAINED IN CONFIDENCE; (B) NOT BE REPRODUCED IN WHOLE OR IN PART; AND (C) NOT BE USED OR INCORPORATED IN ANY PRODUCT EXCEPT UNDER EXPRESSED WRITTEN AGREEMENT WITH THERMA CORPORATION.