NEBB FHT Seminar

Fume Hood Performance Testing

(FHT) Seminar

September 27-28, 2027

Kansas City, Missouri

12

APPROVED CECs

WHO SHOULD ATTEND

- Biosafety Professionals
- Laboratory Managers
- Industrial Hygienists
- Researchers and fume hood users
- Facility engineers, architects and certifiers for fume hoods
- Others with a strong background in fume hood work who consider that an extensive review in a classroom setting will enhance their technical education
- Individuals who are gathering information about the testing procedures performed by NEBB Certified Professionals to assist in the preparation of testing criteria and the auditing of Fume Hood Performance Testing. No previous knowledge or equipment is necessary to attend the seminar
- Individuals who want a refresher course before taking the NEBB FHT Certified Professional exams
- Business Owners/Executives who are considering the opportunities available for expanding into the fume hood testing market

SEMINAR LOCATION

Labconco
8811 Prospect Avenue
Kansas City, MO 64132

REGISTER BY

August 27, 2027

Meet your instructors

FHT / September 27-28, 2027

Mark Wasmund

Mark is the Fume Hood Testing Supervisor for Testcomm LLC based in Spokane, Washington. He is a NEBB Certified Professional in Fume Hood Testing, as well as a NEBB Certified Testing Adjusting and Balancing Technician. Mr. Wasmund serves on the Fume Hood Testing committee.

Erik Pfarr

Erik is the Vice President of Operations for Technical Balance. He is a NEBB Certified Professional in Cleanroom and Fume Hoods and holds accreditations in TAB, NSFS49, and CETA Sterile Compounding Facilities.

About The Seminar

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14 Approved Continuing Education Credits

Chemical fume hoods are one of the most important items of safety equipment present within the laboratory. It is vitally important they are properly used and maintained. Chemical fume hoods serve to control the accumulation of toxic, flammable, and offensive vapors by preventing their escape into the laboratory atmosphere. Fume hoods provide physical isolation and containment of chemicals and their reactions, thus serving as a protective barrier between laboratory personnel and the chemical or chemical process within the fume hood. Chemical fume hoods are an important means of protecting personnel from chemical exposure and ensuring compliance with OSHA and other mandated EH&S regulations.

The seminar will provide attendees with an overview of laboratory HVAC concepts, including discussions of environmental safety enclosures, such as fume hoods, biosafety cabinets, and other containment enclosures. Instructors will review various HVAC systems currently employed in laboratory design. The basic operation of fume hoods and other containment enclosures and their respective applications and features will be presented. The NEBB Procedural Standard for Fume Hood Performance Testing will be reviewed with emphasis on the requirements for NEBB Firm certification, NEBB Certified Professional certification, instrumentation, as well as reporting and testing requirements. Detailed presentation will be provided for the three primary fume hood performance tests: Airflow Velocity Tests, Airflow Visualization Tests, and Tracer Gas Containment Tests. Instructors will also provide hands-on demonstrations of these performance tests. Proper testing procedures will be emphasized, along with reporting requirements and the evaluation of test results.

Seminar & Exam Agenda

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Monday, September 27

6.5 CECs
Lunch provided

7:30 am	Registration
8:00 am - 5:00 pm	Introduction to Fume Hood Performance Testing, HVAC Basics, Fume Hood Types, Fume Hoods Vs Bio-safety, Cabinets, Safety and Protocol, Overview of Testing Requirements, Review of FHT Protocol, Airflow Velocity Testing and Hands-on Demonstration

Tuesday, September 28

5.5 CECs
Lunch provided

8:00 am - 5:00 pm	Airflow Visualization Testing and Hands-On Demonstration, Tracer Gas Containment Testing and Hands-On Demonstration, Reporting, and Seminar Review Session

Wednesday, September 29

Optional Exams
Lunch not provided

8:00 am - 11:00 am	FHT Written Exam
11:30 am - 6:00 pm	FHT Practical Exams

Thursday, September 30

Optional Exams
Lunch not provided

7:00 am - 6:00 pm	FHT Practical Exams

Travel & Location

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Review travel arrangements before registering. Hotel and transportation costs are not included in the seminar fee.

Seminar Location

Labconco
8811 Prospect Avenue
Kansas City, MO 64132

Key Dates

Arrival: Sunday, September 26, 2027

Seminar: September 27-28, 2027

Optional Exams: Written & Practical
September 29-30, 2027

Airports

Kansas City International (MCI)

30 miles / about 42 minutes
Average taxi fare: $74

Nearby Hotels

Reserve directly with your chosen hotel.

Hampton Inn & Suites Kansas City Country Club Plaza

4600 Summitt
Kansas City, MO
816.448.4600

Sheraton Suites Country Club Plaza

770 W 47th Street
Kansas City, MO
816.931.4400

Marriott-Kansas City Plaza

4445 Main Street
Kansas City, MO
816.531.3000

Registration & Fees

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REGISTRATION DEADLINE

August 27, 2027

Registration and payment must reach NEBB by the deadline. Pre-registration and payment are required. Registrations are first come, first served.

Register Online

1. Log into your Certelligence portal
2. Scroll to “My Events”
3. Select the seminar and register

$1,400

Instruction, morning/afternoon breaks and lunch as scheduled. Candidacy application and exam fees are separate.

Publication Fees

PUBLICATION	NEBB / NON-NEBB
Procedural Standard for Fume Hood Performance Testing (2016)	**$125 / $150**

Cancellation Policy

Cancellation by registrants, regardless of reason, will be subject to a $250 service charge to cover NEBB’s expenses. A refund of the prepaid registration will be made less the $250 service charge. No Shows or late cancellations (those who registered for the seminar who do not cancel at least 14 days prior to the seminar and subsequently do not attend the course) will forfeit the entire registration fee unless a replacement can be found. NEBB reserves the right to cancel any seminars having insufficient registrants, in which case, all prepaid registration fees will be refunded in full. Please advise NEBB and your hotel of your cancellation as soon as possible.

Before You Attend

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Recommended Publication

- NEBB Procedural Standards for Fume Hood Performance Testing, 2nd edition
- ANSI/ASHRAE 110-2016: Methods of Testing Performance of Laboratory Fume Hoods
- ANSI/AIHA Z 9.5-2012: Laboratory Ventilation
- NEBB Environmental Systems Technology
- 2019 Procedural Standard for TAB of Environmental Systems, 9th edition
- TAB Manual for Technicians (2021)
- ASHRAE Handbook: HVAC Applications, Chapter 16, Laboratories
- Body of Knowledge approved 2018/09/04, v.12

Read the listed publications before attending. The instructor expects working knowledge of their requirements.

NEBB publications are available at www.nebb.org.

Optional Exams

If you are interested in testing after the seminar, please email candidacy@nebb.org for the candidacy application material. Pre-approval and payment are required before August 27, 2027.

Candidates attempting the Practical Examination are encouraged to bring their own equipment that they are familiar with. NEBB may be able to provide equipment for the exam, but cannot guarantee availability or any particular make or model.