

SOP: **EQ-02**

Title: **Operation & Maintenance of a NuAire Laminar Flow
Biological Safety Cabinet**

SOP Last Revision Date:
12MAY09

PURPOSE

The purpose of this Standard Operating Procedure (SOP) is to describe the procedures for operating and maintaining the NuAire Labgard Class II, Type A/B3 Laminar Flow Biological Safety Cabinet, Models NU-425-300/400/600 Bench/Console. This SOP applies to all the cabinets mentioned above in the Laboratory Animal Research Core's Animals Facilities on the campus of the University of Missouri-Kansas City.

POLICY

It is LARC policy to meet or exceed all federal, state, and local regulations and guidelines and to comply with all institutional policies and procedures as they apply to the use of animals in research. Personnel must attend any applicable training in animal care and use, occupational health and safety, equipment operation, and Standard Operating Procedures prior to performing activities outlined in this SOP or work under the direct supervision of a trained LARC staff member.

REFERNCES

- A. Laboratory Animal Research Core Personnel
- B. NuAire Operation and Maintenance Manual: LabGard Class II, Type A/B3 Laminar Flow Biological Safety Cabinet, Models NU-425-300/400/600.

PROCEDURES

A. Before Beginning Work

- a. Turn cabinet lights, blower & sash alarm on. The height of the front window (sash) should not exceed alarm point.
- b. Spray entire interior with disinfectant solution (***not the ceiling***).
- c. Wipe with clean towel & close sash.
- d. Allow hood to sit for 10 more minutes.

B. During Work

- a. Place sprayed materials in hood separating clean & dirty supplies.
- b. Items placed inside the cabinet should not be placed over the air flow vents located along the front intake grills.
- c. All cage changing is performed according to SOP *HU-03 Cage Changing Within a Laminar Flow Biological Safety Cabinet*

C. Following Completion of Work

- a. Remove all materials.
- b. Decontaminate interior with disinfectant solution & wipe clean with towel.
- c. Turn off hood lights, alarm then blower.

D. General Maintenance

- a. Filters for the cabinet are changed as needed depending on hood usage, but are checked monthly regardless.
- b. Hood is to be thoroughly cleaned after every use and clear all materials/supplies and at least weekly.
- c. Complete sanitation it to be performed monthly.

Note: All repair actions and certification of equipment must be performed annually by a qualified technician.