**Biosafety Level 2+**

The Institutional Biosafety Committee (IBC) may recommend raising the containment level required for certain experiments to increase the safety of the researchers and those in surrounding spaces. BSL2+ containment criteria bring the practices and precautions of BSL3 operation into a BSL2 laboratory space. If BSL2 and BSL2+ work is conducted simultaneously in the same space, BSL2+ personal protective equipment (PPE) and laboratory practices will need to be followed. The precautions listed below should be taken in addition to the standard BSL2 practices:

**Additional Precautions for BSL2+**

* Persons under 16 years of age shall not enter the laboratory.
* If experiments involving other organisms which require lower levels of containment are to be conducted in the same laboratory concurrently with experiments requiring BL3 level physical containment, they shall be conducted in accordance with all BL3 level laboratory practices.
* Laboratory doors are kept closed when experiments are in progress.
* All activities involving organisms containing infectious agents or recombinant DNA are conducted in biological safety cabinets or other physical containment devices within the containment module. No work in open vessels is conducted on the open bench.
* The work surfaces of biological safety cabinets and other containment equipment are decontaminated when work with organisms containing infectious agents or recombinant DNA is finished. Plastic-backed paper toweling used work surfaces within biological safety cabinets facilitates clean-up.
* Laboratory clothing that protects street clothing (e.g., solid front or wrap-around gowns with tight cuffs, scrub suits, coveralls) is worn in the laboratory. Laboratory clothing is not worn outside the laboratory, and it is decontaminated prior to laundering or disposal.
* Molded surgical masks or respirators are worn in rooms containing experimental animals.
* All wastes from laboratories and animal rooms are appropriately decontaminated before disposal. Animal tissues, carcasses, and bedding originating from the animal room must be decontaminated by an effective and validated method (e.g., use of an autoclave) preferably before leaving the containment barrier. If waste must be transported, special practices should be developed for transport of infectious materials to designated alternate location(s) within the facility.
* Vacuum lines are protected with high efficiency particulate air/HEPA filters and liquid disinfectant traps.
* Spills and accidents which result in overt or potential exposures to organisms containing infectious agents or recombinant DNA are immediately reported to the Biosafety Officer in the Environmental Health & Safety Department, 937-775-2797. Appropriate medical evaluation, surveillance, and treatment are provided and written records are maintained.
* Baseline serum samples for all laboratory and other at-risk personnel should be collected and stored in accordance with institutional policy and at least for the time period in which the personnel continues to work with the agent at biosafety level 3 containment. Such samples must be collected and stored for laboratory and other at-risk personnel who will work with mammalian-transmissible HPAI H5N1 virus. Additional serum specimens may be collected periodically depending on the agents handled or the function of the laboratory.

**For more information:**

Biosafety Officer

Environmental Health & Safety

937-775-2797