

UNIVERSITY OF KANSAS LAWRENCE CAMPUS

LABORATORY SAFETY MANUAL

PART III - Biosafety Plan

1) Introduction to the Biosafety Plan

1.1) Elements of the Kansas University, Lawrence, Biosafety Plan (BSP)

The Biosafety Plan consists of the following components:

1.1.1) The requirements, conditions, and procedures of the "University's Safety and Health Manual" apply to all university personnel, students and visitors and are, therefore, part of the Biosafety Plan (BSP). See the Kansas University Safety Program.

1.1.2) The requirements, conditions and procedures of Part I of this Laboratory Safety Manual apply to all personnel, students, and visitors in laboratories and are, therefore, part of the Biosafety Plan.

1.1.3) The requirements, conditions, and procedures of this part (Part III) apply to all personnel, students, and visitors in laboratories with biological hazards. For Biosafety Levels III and IV, requirements, conditions, and procedures of the 6th edition of CDC "Biosafety in Microbiological and Biomedical Laboratories" is adopted by the KU Biosafety Plan. See section 3.7 of this Part III.

1.1.4) The requirements, conditions, and procedures specified in the Recombinant DNA Guidelines (See III-3.6) shall be met by individuals working with recombinant DNA. Contact the EHS for guidance.

1.1.5) The requirements, conditions, and procedures specified in the Bloodborne Pathogen Program under the University's Safety and Health Committee shall be met by individuals who work under conditions in which contamination with human blood, fluids, or tissues is a potential problem. See III-3.5.

1.2) Biological Considerations

Since exposure by infectious agents and/or allergens may be by direct contact, oral ingestion, ocular contamination, injection by puncture, or inhalation, the safety procedures and engineered safeguards must address protection against these modes of exposure. Because the same modes of exposure apply to chemicals and radioactive materials, the "universal" safety procedures and safeguards are covered in Part I of this Laboratory Safety Manual. When animals are used, the behavior of the animals, in addition to the vectors they may carry, must also be considered in establishing safety procedures and safeguards.

1.3) Organization of Part III

1.3.1) Biosafety-specific safety procedures for Level I and Level II Laboratories and/or emphasized universal safety operating procedures (Standard Operating Procedures) are addressed in chapter 2.

1.3.2.) Biosafety-specific aspects of hazard communication and control are addressed in chapter 3.

1.3.3) How to obtain EHS Safety Authorizations for work at Biosafety Levels III and IV is described in section 3.7 and section 3.9 of Part I.

1.3.4) Biosafety-specific training requirements are outlined in chapter 4.

1.3.5) Medical factors that need to be considered in biosafety are listed in chapter 5.

1.3.6) Safe disposal of Biohazards (infectious waste, etc.) is addressed in chapter 6.

1.3.7) Biosafety-Specific Record-Keeping is addressed in chapter 7.