



# Biological Materials

## Biosecurity Definitions

## **Biosecurity**

This is a set of preventive measures designed to reduce the risk of transmission of infectious diseases, quarantined pests, invasive alien species, living modified organisms, and biological weapons. While biosecurity does encompass the prevention of the intentional removal (theft) of biological materials from research laboratories, this definition is narrower in scope than the definition used by many experts. These preventative measures are a combination of systems and practices put into place at legitimate bioscience laboratories to prevent the use of dangerous pathogens and toxins for malicious use.

Components of a laboratory biosecurity program include:

- Physical security
- Personnel security
- Material control & accountability
- Transport security
- Information security
- Program management