

Small spill cleanup of potential HIV infected blood in a biological safety cabinet

Working on the open bench in a diagnostic laboratory, heat-fixing sputum samples from possible TB patients for microscopic examination

Large animal necropsy in veterinary diagnostic laboratory, possible FMD investigation

Culturing samples of *Salmonella typhi* in liquid broth volumes not to exceed 50 mL

Preparing a gram stain from a bacterial culture obtained from the wound of a sick animal

Large spill cleanup after the release of viral culture from influenza vaccine production

Collecting field samples of mouse bedding and droppings, investigating potential Hantavirus outbreak

Streaking plates to prepare cultures of MRSA for antibiotic susceptibility testing

Preparation of human diagnostic specimens (blood, sputum, swabs and tissue biopsies) for various diagnostic activities investigating outbreak of unknown febrile, SARS like outbreak

Injecting mice with cultured H3N2 influenza A virus. Work is done in a Biological Safety Cabinet.

Homogenization of fleas collected from the environment to test for the presence of *Yersinia pestis*. Using a mortar and pestle on the open bench