

Table 2. Selected goals for Year 2

Section	Goals
Diagnostic Microbiology	<ul style="list-style-type: none"> - Become proficient in Rabies Direct Fluorescence Antibody (DFA) testing - Successfully complete a Personnel Assessment (PA) for the identification of parasitology specimens. - Successfully complete a PA for the analysis of enteric specimens. - Become proficient with CDC methodologies for the identification of bioterrorism agents. - Become proficient in specimen preparation, quality control procedures, preventive maintenance, use of laboratory equipment and the successful completion of a semiannual PA. The assessment will consist in the analyses of unknown samples using bacterial culture methods for the identification of <i>Bacillus anthracis</i>, <i>Yersinia pestis</i> and <i>Francisella tularensis</i>. - Become proficient in Time Resolved Fluorescence procedures for the detection of <i>Ricinus communis</i> toxin. - Become trained and qualified for shipping and storing clinical samples for the analysis of chemical agents.
Environmental Microbiology	<ul style="list-style-type: none"> - Become FDA certified in the following procedures: plating PAC and HSCC Petrifilm, Delvo 5 Pack inhibitor test for milk products - Become proficient in other current milk program testing methods such as: immunoassay for antibiotics detection; chemiluminescence test for phosphatase levels; added water determination - Assist in the development and use of an automated visual immunoassay for the analysis of <i>Campylobacter</i> spp and staphylococcal enterotoxin
Molecular Diagnostics	<ul style="list-style-type: none"> - Become proficient in Norovirus RT-PCR testing. - Help to maintain the readiness of the molecular lab for assisting outbreak investigations (e.g., Norwalk like virus, Enterohemorrhagic <i>Escherichia coli</i>) and test outbreak specimens. - Become proficient in <i>Bacillus anthracis</i> real time PCR testing. - Become proficient in <i>Yersinia pestis</i> real time PCR testing. - Become proficient in <i>Francisella tularensis</i> real time PCR testing. - Help to prepare and maintain the readiness of the molecular lab for detecting bioterrorism agents (e.g. <i>Bacillus anthracis</i>, <i>Yersinia pestis</i>). - Become proficient in Rabies RT-PCR testing. - Assist in preparing literature surveys and feasibility studies for the following: bioterrorism agents, and infectious agents. - Assist in developing new procedures (PCR, ELISA and W. Blot) for detecting bioterrorism agents and infectious agents.
Blood Lead/Serology	<ul style="list-style-type: none"> - become assessed for syphilis analysis - become assessed for HIV-1 analysis - acquire in-depth GFAAS instrumentation training