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NVSL Diagnostic Bacteriology and Pathology Laboratory

Last Modified:

The Diagnostic Bacteriology and Pathology Laboratory (DBPL) provides diagnostic assistance for bacterial and protozoal diseases.

We carry out this work by:

- conducting serologic testing for the presence of antibodies to pathogens;
- isolating, identifying, and genotyping bacteria;
- producing reagents needed for diagnostic testing;
- administering proficiency tests for selected diseases;
- performing microscopic examination for bovine tuberculosis;
- performing immunodiagnosics for prion diseases affecting livestock; and,
- providing diagnostic training.

The DBPL is a Reference Laboratory for the [World Organisation for Animal Health \(WOAH\)](#) and a Reference Centre for the [Food and Agriculture Organization of the United Nations \(FAO\)](#). Some of the numerous functions of the DBPL include isolation and identification for diagnosis of bacterial diseases including salmonellosis, leptospirosis, contagious equine metritis, bovine tuberculosis, brucellosis, *Salmonella* serotyping, *Leptospira* serology, and scrapie susceptibility genotyping. The DBPL also maintains brucellosis, tuberculosis, Johne's disease, *Leptospira*, and [National Animal Health Monitoring System](#) isolate banks.

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