

Hendrix Genetics Laboratory (North America)

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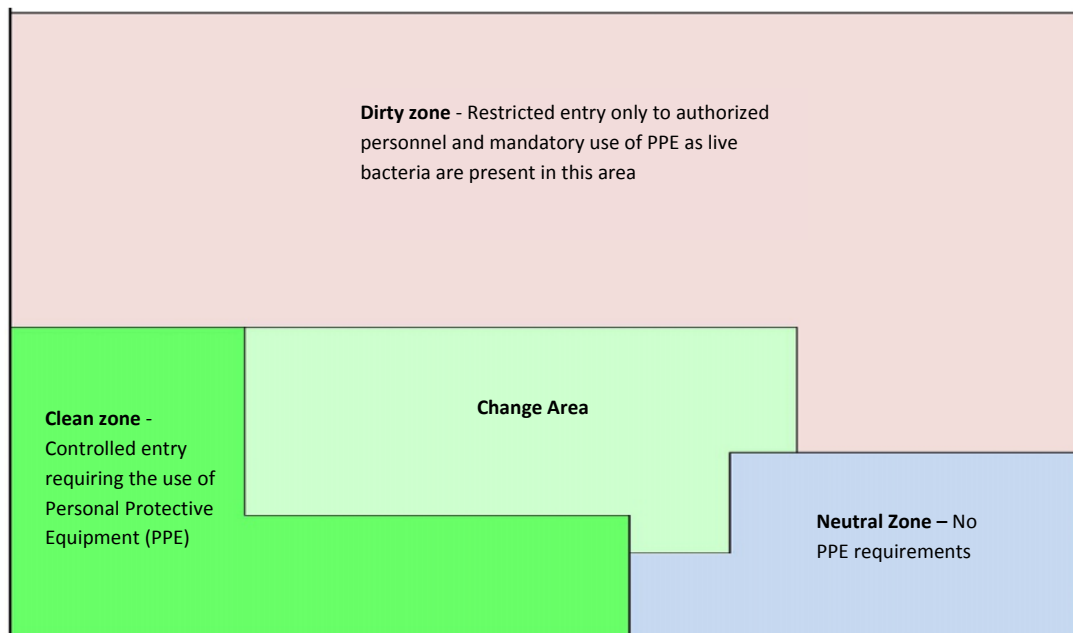


Role

The Hendrix Genetics Laboratory (North America) provides monitoring and diagnostic services for all internal turkey and layer breeding flocks within North America. These services allow us to ensure our flock environments are clean and free of pathogens, allow for swift identification of any health issues and ensure adherence to all Provincial, Federal and International regulations.

Facility

The Hendrix Genetics Laboratory (North America) is a 3200 square feet (297m²) laboratory facility. The state-of-the-art design ensures world class biosecurity by dividing the facility into 4 distinct zones:



Typical work conducted

- Scheduling of all tests required by regulatory and export agencies including the National Poultry Improvement Plan (NPIP), Ontario Hatchery and Supply Flock Policy (OHSFP), and the Canadian Food Inspection Agency (CFIA)
- Preparation of all bacterial media required for tests and test kits
- Bacterial diagnostics of
 - environmental, vehicle and water samples
 - hatch residue
 - animal tissue
- Qualitative Salmonella diagnostics of environmental and feed samples
- Qualitative and quantitative fungal diagnostics of environmental samples
- Antimicrobial susceptibility tests
- Disinfectant efficacy tests
- Processing and submission of all blood samples for testing in government laboratories
- Record keeping of all samples and tests performed using an in-house developed laboratory information management system
- Maintaining a permanent inventory of isolated strains and collected tissue samples

Capacity and Equipment

- **200,000** samples processed per year
 - Sample types include blood, bacterial and viral
- 1 Large (255 litres) capacity and 1 small (9 litres) autoclave
- 1 VIDAS (modified ELISA) diagnostic equipment 30 tray capacity
- 2 Heat blocks (Heat & Go)
- 2 Incubators (37°C and 42°C)
- 1 CO₂ Incubator
- 2 Ultra low temperature freezers (-80°C)
- 2 Freezers
- 10 Refrigerators
- 2 Centrifuges
- 5 Microscopes
- 4 Workstations

