



Take Your Influenza Technology to the Forefront of the Industry by Partnering with Benchmark Biolabs and Midwest Veterinary Services

Accelerate your influenza capabilities

Whether you are looking for collaboration throughout the largest of projects, or need assistance with specific components of that project, Benchmark Biolabs (BBL) and Midwest Veterinary Services (MVS) can deliver. BBL and MVS have a long history of collaboration in the field of product development, and vast experience specific to influenza product development. As collaborating partners, BBL and MVS provide a multitude of services, offering a true "one-stop shop" for the development and introduction of your influenza products.

Together, the BBL and MVS team is pleased to offer the following influenza capabilities, available individually or in a combination suitable to your needs:

Laboratory Services

- o Serum Neutralization Assays
- o Hemagglutination Inhibition Assays
- o Virus Isolation
- o Virus Titration
- o Reagent Production, Methods Development, and Validation
 - Genetic, Biochemical, Biological
- o Assay Development
 - Identity, Potency, Release Molecular Diagnostics, Product Testing
- o PCR
 - Target Gene and Strain Specific Sequences

Clinical Services

- o Model Development Capabilities
 - Ferrets, Cats, Chickens, Mice, Pigs, Rabbits, Guinea Pigs, Cattle, Rats
- o Vaccination Challenge Studies


Manufacturing Services

- o Production of Biological Materials for Diagnostic Purposes
- o Master Seed Production
- o Process Development

- Large-Scale Production
 - Fermentation, Cell Culture, Solid State Synthesis
 - Purification Optimization
 - Filtration, Partitioning, Centrifugation, Chromatography
- o Virus Expansion Capabilities

Combine these capabilities with our proven scientific expertise, our fully trained, experienced, and certified staff, and our fully equipped and accredited facilities to place your product on the fast track to profitable commercial maturity. For further information on these services, as well as many others unrelated to influenza, please contact Dr. Tom Overbay (BBL), or Dr. Kelly Lechtenberg (MVS).

We look forward to working with you.



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Breathing Life into Science

