

# Reagents and Services

## Virology - Immunology - Animal Studies

We provide highest quality services to academic and pharmaceutical labs.

### - Virology

**Viral Propagation.** We propagate and purify any BSL-2 virus strains. Virus stocks are prepared at any concentration required and are available as cleared supernatants, semi-purified or highly purified preparations. All titers are determined by standard plaque assays, TCID-50 or HA units. We will also provide matching vehicle control buffer. Viruses are prepared in tissue culture cells and chicken eggs.

Current viruses:

- Influenza virus - parainfluenza virus
- Respiratory Syncytial virus - Adenovirus
- Rhinovirus - Rotavirus
- Coronavirus - Reovirus
- Vaccinia virus - Measles virus

**Viral Inhibition assays.** We perform virus neutralization assays by plaque reduction, TCID-50 reduction, cytotoxicity reduction or hemagglutination inhibition.

### - Immunology and animal studies

**Custom antibody production.** We provide full service antibody production. This includes propagation and purification of virus, inactivation and immunization. We will bleed and determine titer of the antibody. The antibody production is done in mouse, rabbit, chicken or goat.

**Animal Studies.** We provide full service animal studies from design of experiments to final measurements of the outcomes.

- Animal infections. We perform intra-nasal, intra-tracheal and intra-peritoneal infections. We will harvest any tissue and measure cytokines/chemokines and viral load. We also provide cell and tissue extraction for protein, RNA and DNA. We perform quantitative RT-PCR, ELISA or western blot analysis of your samples.