

Reagents and Services

Virology - Immunology - Animal Studies

We provide highest quality services to academic and pharmaceutical labs

- Virology

Viral propagation and purification. We propagate and purify any bacteriophage, BSL-1, or BSL-2 virus strain. 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 plaque assay, TCID-50 or HA units. Viruses are prepared in tissue culture cells or chicken eggs.

Viruses are supplied at any purity and titer desired. We provide PEG concentration and ultra-purification services. Ultra-purification is performed by ultra-centrifugation or column purification as desired. We also provide virus inactivation by using chemicals or UV.

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

Titer optimization. We develop methods and conditions to maximize virus replication to yield maximum titers.

- 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.