



LAMPIRE
BIOLOGICAL LABORATORIES

45^{YEARS} STRONG

CORPORATE PROFILE

➤ ABOUT LAMPIRE

LAMPIRE has earned primary vendor status with pharmaceutical, diagnostic, biotechnology, and medical device corporations worldwide. Commitment to quality and customer service has established Lampire as a key resource for clients through the research and development, scale-up, and optimization stages of product development and subsequent production. LAMPIRE also serves academia and government research agencies involved in the areas of immunology, cell biology, cell signaling, pathology, molecular biology, microbiology and clinical medicine.

➤ BIOLOGICAL PRODUCTS

Animal Blood, Tissue & Abattoir/Human Material & Blood

LAMPIRE is an industry leader in the collection of donor and abattoir derived animal tissues and organs and offers an extensive array of products. We maintain closed herds for the production of donor whole blood, serum, and plasma with a variety of species available, including: alligator, bovine, chicken, donkey, goat, horse, porcine, and sheep. Bovine derived products are traceable for U.S. origin which includes our world class BSA. Lampire also offers a wide selection of human whole blood, serum, plasma, and disease state plasma which are subject to the quality control measures required by FDA licensed collection facilities.

➤ SPECIALTY PRODUCTS

OMNI C3® Cell Culture Bags/Cell Culture Media

We manufacture our own line of OMNI C3® Cell Culture Bags. These bags are simple, single-use devices for the culture, harvest and storage of cells, constructed using UP Class VI medical grade material. The bags are gas permeable to support rapid cell growth and have robustness necessary for centrifugation and long-term cryo-cell storage. Manufactured here at Lampire, these bags are available in multiple sizes and port configurations. We also offer standard and custom tissue culture media, reagents, supplements and animal embryo culture media to the Research Use Only (RUO) market for cell culture and the culturing of embryonic stem (ES) cells, both human and animal.

➤ PURIFIED PROTEINS & REAGENTS

Primary & Secondary Antibodies/Purified Immunoglobulins

LAMPIRE offers purified immunoglobulins, secondary antibodies, and conjugates of these products in research and bulk scale. Each lot is produced within the guidelines of a stringent quality system to assure consistent product characteristics and performance. Monoclonal antibodies are used in research to find effective treatment applications for drug abuse and the treatment of drug overdose. These are just a few of the many purified and anti-serum options we stock from various host species.

➤ CUSTOM ANTIBODIES

Polyclonal & Monoclonal/Antibody Production Services

LAMPIRE offers easy-to-initiate, pre-packaged services and/or custom protocols designed specifically for your needs. Each project begins with a review by our expert staff that will help with species selection, antigen design, and immunization protocol. Additional services includes pre-immune screening, antigen conjugation, titer testing, and antibody purification, and conjugation. LAMPIRE offers comprehensive service from research to bulk-scale production, hybridoma development, cell line optimization, serum free production, supernatant concentration, antibody purification and characterization, cell bank production, testing, and storage. To complement the polyclonal and monoclonal services, we offer custom peptide design and synthesis.

➤ FACILITIES



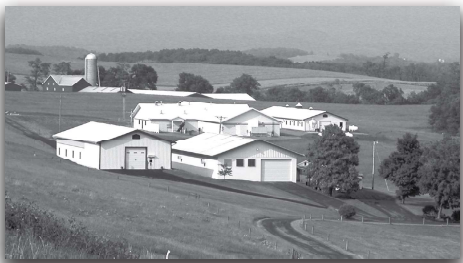
Biotech Research & Resource Center

Built in 1997, the Pipersville Biotech Research & Resource Center is 18,000 square feet of state-of-the-art laboratory space. With certified class 2, 5 and 7 rooms/hoods, this facility's manufacturing focus is on cell tissue culture, cell culture media, cell banking, viral transport media, purification, monoclonal antibody production and hybridoma development. Housed at the Resource Center is a high tech small animal vivarium.



Ottsville Corporate Headquarters

With expansion, came additional office accommodations for the office support team members of LAMPIRE. The Ottsville Administrative Offices house customer service, marketing, IT, accounting and HR. Over the years, work flow reorganization of space and capital improvements have proven to reduce errors and improve LAMPIRE's ability to service our customers.



Everett 600 Acre Pharm Facility

Encompassing over 600+ acres, LAMPIRE's Everett Pharm Campus houses an extensive variety of closed donor herd species for the collection of custom antisera, donor sera and red cell production program. Our expansive property allows LAMPIRE to maintain over 32 unique animal vivarium, including controlled spaces for small laboratory animals as well as large domestic and more unique breeds. Our Farm facility is AAALAC accredited. Featured at this site is the small animal vivarium.



Coopersburg Laboratory

Acquired in 1986 and updated over the years, this 5,000 square foot laboratory's primary operational responsibilities are the collection and processing of specialty organ and tissues, abattoir related blood and material collection and processing and LAMPIRE's human blood products. While compact in size, with creative and innovative renovations, both the infrastructure and work flows were updated and adapted to meet the needs of LAMPIRE's clients.



Ottsville 40 Acre Pharm Facility

Established in 1982, the Ottsville Farm was the original 40 acre small and large animal facility, featuring an environmentally controlled animal areas and donor herd housing. Conveniently located between our Biotech and Coopersburg facilities, this allows for ease of processing of a variety of different products.



Everett Bioprocessing Lab

Built in 2007, the Everett Bioprocessing Laboratory is 18,000 square feet of state-of-the-art laboratory space. Just a short distance from the Everett Pharm Campus, this facility manages immunochemistry services, tissue processing, blood product processing and purification. Major equipment and space renovations, to meet client demand, has resulted in specialized contract manufacturing areas and attracted a talented, diverse workforce to LAMPIRE.

➤ PERSONNEL



Technical Advisors

Our PhD scientists are actively involved in all facets of LAMPIRE's products and services from development and production of stock inventory items to the design of custom antibody and immunoassay development projects.

Customer Service Team

Customer Service Representatives answer questions Monday through Friday from 8:30 am to 6:00 pm Eastern Time

Quality Management System Administrators

These staff members oversee every production facility, both farms and laboratories, to ensure that LAMPIRE products meet our customer specifications as well as comply to ISO 13485:2016.

Animal Care and Use Committee (IACUC)

Animal Care and Use Committee (IACUC): Our IACUC Committee physically inspects each facility on a regular basis and meets to review all protocols to ensure compliance with the Animal Welfare Act. We are also compliant with the PHS policy to maintain our assurance with OLAW. In addition all of our animal facilities are AAALAC accredited and adhere to the provisions put forth in the NIH Guide for the Care and Use of Laboratory Animals and The Guide for the Care and Use of Agricultural Animals in Research and Teaching.

Staff Veterinarians

Our Veterinarians provide animal healthcare supervision, preventive medicine and nutrition analysis for all the animals at the Ottsville and Everett farms. The veterinarians are also available for consultations regarding individual projects, special procedures and technical assistance.

➤ INFORMATION

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