



**Meridian Life Science, Inc.**

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## Vital Statistics

**Employees:** 107

**Key Personnel:** Kamaal Anas, RAC, RA/QS; Daniel Shelly, Ph.D., Business Development; Victor Van Cleave, Ph.D., R&D; Lourdes Weltzien, Ph.D., GM.

## Who We Are

MERIDIAN LIFE SCIENCE,® INC. a premier provider of contract R&D, process development, and clinical cGMP biomanufacturing for vaccines, viral challenge materials, virus-like particles, vectored gene therapies, and recombinant proteins. Meridian can provide cell and viral banking, process development, scale-up, downstream processing, formulations/stability and fill and finish to support cGMP biologic production.

Meridian has a recognized track record of quality cGMP clinical manufacturing including, but not limited to, a five year NIAID contract to manufacture up to 10 experimental Phase I cGMP vaccines per year; a clinical RSV challenge virus successfully used in human studies; a qualified, characterized Vero MCB for vaccine manufacturing; and a VLP vaccine to prevent parvovirus B19 infections in humans.

MLS is also a leading supplier and manufacturer of monoclonal antibodies, polyclonal antibodies, viral antigens and critical assay reagents. We have been providing innovative life science solutions and building trusted partnerships for over 25 years. Our focus is to provide products and services that help to advance the diagnosis and treatment of disease.

## Major Markets

- Biopharma and Vaccine Developers
- Academia and Non-Profit
- Government

## Services Offered

### Product Focus:

- Viral vaccines and viral challenge stocks
- Gene therapy vectors
- Recombinant proteins
- Oncolytic/therapeutic viral vaccines

### Expression Systems:

- Mammalian cell culture
- Insect cell culture and BEVS expertise
- Plasmid transfection

### Cell Culture Optimization and Pilot Production:

- Flasks, spinner flasks, roller bottles, cell factories, and disposable bioreactor bags
- Analytical test method development and validation
- Viral quantitation and infectivity assays
- Cell culture optimization (MOI, Viability, Harvest)
- Viral quantitation and infectivity (Plaque, TCID50, FFA)

### cGMP Production:

- Master and Working Cell and Viral Banks
- Two cGMP clean rooms for Phase I/II clinical products
- Uninfected and infected eukaryotic cell culture suites
- Clinical fill and finish capacity: up to 2,500+ vials

### Purification and Formulation:

- Purification: SEC, IEC, HIC, affinity and expanded bed
- Filtration: Depth, CFF, and TFF
- Centrifugation and gradient centrifugation
- Microfluidization, freeze/thaw, chemical lysis
- Formulations experience for VLP and viral vaccines

### Critical Raw Materials:

- > 5,500 antibodies, antigens and assay reagents
- > 1,300 infectious disease antibodies and antigens
- Paired antibodies for immunoassay applications
- Purified Mouse IgG and other HAMA blockers



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