

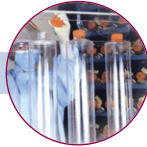
COMPANY FOCUS

Meridian Life Science, Inc. is a leading manufacturer of antibodies, antigens (native and recombinant), HAMA blockers and critical assay reagents for the IVD and biopharmaceutical markets.



IMMUNODIAGNOSTICS

Antigens & Antibodies
r-Proteins
Blocking Agents



CONTRACT SERVICES

Antigens & Antibodies
cGMP Phase I/II Viral Vaccines
Cell & Viral Banking



MOLECULAR BIOLOGY

Nucleotides
Enzymes
PCR / qPCR Reagents

CORE EXPERTISE

Virology | Cell Culture | *In Vitro* & *In Vivo* MAb Mfg | R&D Contract Mfg
Phase I/II Vaccine Mfg | Nucleotide Chemistry | PCR / qPCR Enzymes

MANUFACTURING SITES

MEMPHIS, TN

Viral Antigens
Recombinant Proteins
In Vitro Antibody Mfg
HAMA Blocking Agents
Antibody Purification
Contract R&D and PD
Cell and Viral Banking
cGMP Vaccine Mfg

BOCA RATON, FL

Ascites Production
Large Scale MAb Mfg
55,000 Mice (BALB/c, CAF1)

LONDON, UK

PCR / qPCR Assay Development
RNA Analysis
DNA MW Marker Mfg

BERLIN, DE

Large Scale Nucleotides Mfg
PCR Enzyme Mfg
Protein Expression and Purification
DNA MW Markers

SYDNEY, AUS

Competent Cells Mfg
Diagnostic Extraction Controls

PARENT COMPANY: MERIDIAN BIOSCIENCE, INC.

Diagnostic Test Kits | Founded in 1977; IPO in 1986 | Nasdaq: VIVO
Headquartered in Cincinnati, OH | Employees: 500+ | International Presence, 60+ countries

ISO 9001:2008 | Quality System Regulations - 21 CFR 820 | cGMP - 21 CFR 210, 211

ANTIGEN MANUFACTURING

NATIVE & RECOMBINANT

UPSTREAM

Flasks | Spinners | Rollers
Cell Factories
WAVE Bioreactors™
Expression systems: mammalian, insect, yeast, *E.coli*

DOWNSTREAM

ÄKTA FPLC systems for SEC, Affinity, Ion exchange, HIC
Dialysis, ultracentrifugation, tangential flow
Expanded bed chromatography
Centrifugation, gradient centrifugation
Microfluidization, freeze/thaw, chemical lysis

PRODUCTS

ToRCH: Toxo, Rubella, CMV, HSV, VZV
Hepatitis A (HAV)
Epstein-Barr (EBV)
Measles & Mumps Virus
RSV
Rotavirus
Vaccinia
Recombinants:
HIV-1 & HIV-2
Hepatitis B & C
HSV-1 & HSV-2

PILOT TO COMMERCIAL SCALE

Custom Manufacturing | Yield Optimization | Purification & Testing
Live Virus Production (BSL2) | Virus Inactivation & Antigen Purification

ANTIBODY DEVELOPMENT & MANUFACTURING



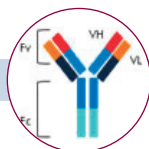
CELL CULTURE

CL-1000 Flasks
Spinners & Rollers
WAVE Bioreactors™
Protein A/G



ASCITES

>5000 Mice/Lot
Cell Banking
Dual Site Storage



PROCEDURE™

MAb Clone Development
High Affinity & Specificity
Biomarker Discovery

CUSTOM MANUFACTURING:

Upstream & Downstream Process Optimization
Validation Lots
Clonal Selection, Sub-Cloning & Screening

Cell Banking & Storage
Adaptation from Ascites to Cell Culture
Conversion to Serum-Free Media

BROAD RANGE OF ANTIBODIES WITH A FOCUS ON:

Infectious Disease | Hormones | Cancer | Antibody Pairs | Customization for IVD Requirements