



Where Laboratory Precision Meets Healthcare Integrity.

Comprehensive bioprocess, cryogenic & healthcare solutions for high-compliance environments.

AGENDA



01

Who We Are

Our story, expertise & the Laminon promise

02

Our Products

Specialized media, cryo systems, bioprocess & lab instruments

03

Our Solutions

E2E Workwear & Mat services, Cryogenic & Bioprocess support

04

Why Laminon

Key differentiators, stats & client outcomes

05

Resources & Contact

Whitepapers, blogs & how to reach us

Who We Are



Your Trusted Biopharma Partner

At Laminon Biosolutions, we merge decades of technical mastery with an agile approach to modern science. We serve as an extension of your team, ensuring that your bioprocessing goals are met with clinical precision.

We bridge the gap between world-class global technology and India's rapidly growing biopharma landscape — from ISO-certified media plates to end-to-end workwear services.

"We don't just supply products; we secure outcomes."

— The Laminon Promise

100+

Years Combined Expertise

Leadership team with a century of collective biopharma experience

10+

Long-Term Partnerships

Trusted by industry leaders year after year

360°

End-to-End Coverage

From lab accuracy to total facility hygiene

Mission & Core Values

OUR MISSION

Providing reliable, end-to-end support for the people moving healthcare and science forward.

01

Scientific Reliability

Products validated for the most sensitive biopharmaceutical applications — from ISO-grade media to cryo reagents.

02

Operational Continuity

End-to-end service models ensuring you never face inventory stock-outs or compliance gaps.

03

Safety & Sterility

Processes engineered to mitigate risk — from cell-clumping in the lab to cross-contamination in the ward.

OUR PRODUCTS

The Technical Portfolio

Four specialized product categories designed for high-compliance bioprocessing, diagnostic, and research environments.

01

Specialized Media & Microbiological
Solutions

02

Advanced Cryogenic Management
Systems

03

Precision Bioprocess & Fluid Handling

04

Lab Instruments & Integrated Solutions

Specialized Media & Microbiological Solutions



Pre-Filled Media Plates

Engineered for high-stakes environmental monitoring and sterility assurance in cGMP facilities.

Aseptic Precision

Manufactured in ISO-certified cleanrooms. Available in 55mm, 90mm & 150mm formats.

Triple-Wrapped & Irradiated

Gamma-irradiated and triple-wrapped for zero cross-contamination in Grade A/B cleanrooms.

Advanced Neutralizers

Formulated with Lecithin, Polysorbate 80 & L-Histidine to deactivate disinfectant residues.

Application-Specific

TSA, SDA & custom formulations to recover sub-lethally injured and fastidious organisms.

KEY APPLICATION

Environmental Monitoring in cGMP Facilities

- ✓ ISO-certified cleanroom manufacturing
- ✓ Grade A/B compatible packaging
- ✓ Sterility Assurance Level (SAL) compliant
- ✓ Recovers injured microorganisms

Advanced Cryogenic Management Systems

01

Cryo Label Printer

Chain-of-Custody Hardware

Industrial-grade thermal transfer engine producing high-density barcodes. Validated for permanent adhesion in vapor-phase and liquid-phase nitrogen (-196°C). Resists the 'pop-off' effect common in standard labelling.

02

DMSO-Free Cryo Preservative

Next-Gen Cell Preservation

Chemically defined, ACF medium. Eliminates DMSO-driven cytotoxicity and unwanted differentiation. Delivers unparalleled post-thaw metabolic recovery for stem cells, CAR-T, and primary cells.

03

Anti-Clumping Agent

Suspension Culture Optimization

Non-toxic, chemically defined solution preventing cell aggregates in high-density CHO and HEK293 cultures. Enables smoother automated processing and improved downstream yields.

Precision Bioprocess & Fluid Handling



The Circulatory System of Your Bioprocess

For automated biomanufacturing, we provide sensors and pumps ensuring delicate protein structures and live cells are handled without shear, heat, or pressure compromise.

Bioprocess Pumps

Quaternary Diaphragm Technology — four independent diaphragms mimicking the gentle action of the human heart. Ensures laminar flow, low pulsation, and thermal stability for sensitive mAbs, viral vectors, and cell suspensions.

Flow Controllers & Sensors

High-accuracy digital sensors with real-time, non-invasive flow measurement. Integrates into SCADA or PLC systems for exact dosing and buffer management.

LAMINON ADVANTAGE

— Laminar Flow

Minimizes turbulence at high flow rates

— Thermal Stability

Reduces heat transfer to sensitive media

— Low Pulsation

Steady pressure through filtration stages

— Zero Shear

Preserves protein & cell biological activity

— Automated Integration

SCADA/PLC-ready for smart manufacturing

Lab Instruments & Integrated Solutions

Essential Benchtop Infrastructure — curated high-durability instruments for diagnostic and research laboratories.

01 High-Speed Centrifugation

Compact microcentrifuges with brushless motors and aerosol-tight rotors for safe handling of hazardous samples.

02 Thermal Management

Digital dry baths & vortex mixers with programmable logic controllers for precise temperature and agitation synchronization.

03 pH Meters & Thermometers

High-precision analytical benchtop tools with NIST-traceable calibration for high-compliance auditing.

04 Automated Fluid Handling

Integrated liquid handling platforms designed to streamline pipetting, dispensing, and sample transfer workflows.

OUR SOLUTIONS

Architectural Support for Your Facility

Two comprehensive service models designed to maximize uptime, compliance, and biological integrity.

Solution A: Healthcare Workwear & Mat E2E Services

Solution B: Cryogenic & Bioprocess Support

Healthcare Workwear & Mat Services — The E2E Model

01**Strategic Sourcing & Ergonomic Fit**

High-performance antimicrobial fabrics with on-site fitting sessions for medical staff mobility in high-pressure environments.

02**Validated Hygienic Laundering**

Thermal and chemical disinfection protocols eliminating healthcare-associated pathogens at the highest infection control level.

03**Precision Transport & Inventory**

Sophisticated tracking system managing seamless exchange of soiled items for sterile ones with modular on-site storage.

04**Facility Mat Solutions**

Managed rotation of high-traction, anti-microbial mats with ergonomic anti-fatigue support for pharmacies and operating theaters.

05**Responsible Decommissioning**

Eco-friendly disposal or recycling of textiles at end-of-life, ensuring sustainability and waste management compliance.

WHY E2E?

- Zero stock-outs
- HAI risk reduction
- Compliance assured
- Full lifecycle managed
- Sustainability focus

Cryogenic & Bioprocess Solutions

Workflow Optimization

Cryogenic Storage Integration

We consult on the integration of cryogenic storage hardware and reagents to minimize transient warming risks during sample handling. Our chain-of-condition approach protects every precious biological sample from bioreactor to storage.

-
- ✓ Vapor & liquid nitrogen compatible labelling
 - ✓ Chain-of-custody hardware & tracking
 - ✓ Anti-transient-warming protocols
 - ✓ Sample integrity from collection to storage

Automated Fluid Management

Bioprocess Media Control

Custom-tailored solutions for monitoring and movement of media, ensuring sensitive biological products are handled with zero shear and absolute volume accuracy throughout the manufacturing process.

-
- ✓ Low-shear peristaltic pumping
 - ✓ Real-time flow monitoring sensors
 - ✓ SCADA/PLC integration ready
 - ✓ Buffer management & exact dosing

The Laminon Advantage

Technical Expertise

100+ years of collective biopharma expertise. We know the science.

Logistical Mastery

Seamless inventory management with zero stock-outs or compliance gaps.

Operational Efficiency

End-to-end service that reduces labor hours and eliminates downtime.

Global Innovation

World's most advanced bioprocess tools brought to Indian doorsteps.

Compliance Ready

Products validated for ISO, Grade A/B, US-FDA and EMA standards.

Partnership Model

We serve as an extension of your team — not just a supplier.

Technical Resources & Insights

WHITEPAPER

The Science of DMSO-Free Preservation

Deep-dive into chemically defined cryoprotectants — trehalose and poly-ampholytes — and their biophysical mechanisms in maintaining post-thaw cell viability and potency.

WHITEPAPER

Mitigating Slip-and-Fall Risks in Healthcare

Evidence-based analysis of high-traction mat placement strategies to reduce occupational injury risk in pharmaceutical and clinical environments.

BLOG

Calibrating Flow Sensors for Bioprocess

Step-by-step guidance on calibrating high-accuracy flow sensors within SCADA-integrated biomanufacturing systems for exact buffer dosing.

BLOG

Maintaining Your Cryo Label Printer

Preventive maintenance protocols for thermal transfer printers used in cryogenic sample labelling to ensure continuous chain-of-custody compliance.



GET IN TOUCH

We'd love to discuss how our precision bioprocess and healthcare solutions can support your goals.

 **Email** info@laminonbio.com

 **Phone** +91 XXXXX XXXXX

 **Address** India

 **LinkedIn** linkedin.com/company/laminon

SEND AN INQUIRY

For product enquiries, service proposals, or partnership discussions, provide:

Your Name

Company / Institution

Email Address

Inquiry Type

Your Message