CONTACT OR VISIT US

Our company premises are located in the Saalepark Industrial Estate in the northern part of the city of Jena (Thuringia, Germany).

Contact our Experts:
info@jenabioscience.com

www.jenabioscience.com

Follow us:

AFFILIATED COMPANIES

LAROVA
The Nucleotide Company

The Nucleotide Powerhouse

Also based in Jena, Germany, Larova is a large-scale nucleotide manufacturer. Its enzymatically synthesized dNTPs/NTPs combine exceptional purity with reliable performance while being entirely free from contaminating DNA and PCR-inhibitory by-products. Larova is your trusted partner for a dependable bulk supply of high-purity nucleotides, polymerases and master mixes – from process development to multi-kilogram production.

www.larova.com

cellco
Biotecnologia ao seu alcance

The South American Hub

Founded in 2014 as a university spin-off in São Carlos, Brazil, Cellco Biotec specializes in the development and production of high-quality DNA polymerases and recombinant enzymes for molecular biology, diagnostics and sequencing. As Jena Bioscience's South American affiliate, Cellco combines local manufacturing expertise with regional customer support. In addition to producing enzymes at commercial scale, Cellco serves as the regional distribution hub for the complete Jena Bioscience portfolio across Latin America.

www.cellco.com.br

EXPERTISE & QUALITY SINCE 25+ YEARS

1998 — **Jena Bioscience** founded as spin-off from the Max Planck Institute of Molecular Physiology (Dortmund)

2003 — **Jena Bioscience** acquires **Larova** (Berlin)

2008–2011 — Relocation of **Larova** operations from Berlin to Jena

2014 — **Cellco Biotec** founded in Brazil (São Carlos)

2015 — Completion of purpose-built facility for **Larova** and **Jena Bioscience** operations

2023 — Acquisition of a **new location** to expand production capacity

JBS IN NUMBERS

→ **1500+ Active Clients Per Year**
From individual researchers to global players in biotech and pharma

→ **5000+ Products**
Across our broad life science portfolio

→ **7000+ Packages Per Year**
Shipped to researchers worldwide

→ **60+ Distributors**
Providing local access to Jena Bioscience products around the globe

→ **100+ Countries**
Delivery across the globe, serving research, biotech and pharma industry

Jena Bioscience close to you

Our trusted distribution partners provide local access to Jena Bioscience products and support around the globe. **Find your local distributor on our new website**.

WHAT MAKES US YOUR PARTNER OF CHOICE

In-House Bulk Production
We handle everything from lab scale to multi-kilogram bulk quantities in our own facilities, ensuring full quality control.

Tailor-Made Solutions
We look beyond off-the-shelf catalog products to provide custom formulations and products as well as OEM solutions tailored to your exact needs.

Scientist-to-Scientist Support
You work directly with the researchers who develop our technologies for expert, peer-to-peer technical help.

Flexible & Accommodating
We stay agile, adaptive, and fully committed to supporting your unique project workflows – talk to us and we make it happen.

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Jena Bioscience

BUILDING BLOCKS OF LIFE

**Jena Bioscience Group –
Your Life Science Supplier of Choice**

www.jenabioscience.com

Jena Bioscience GmbH – Loebstedter Str. 71 – 07749 Jena

ABOUT US

Established in 1998 by a team of scientists from the Max Planck Institute of Molecular Physiology (Dortmund), Jena Bioscience utilizes more than 25 years of academic know-how to develop innovative high-quality reagents, kits, and specialized technologies for life science research, medical diagnostics, and pharmaceutical development in 100+ countries. To date, Jena Bioscience still remains an owner-operated business.

Jena Bioscience and Larova are ISO 9001 and ISO 14001 certified, combining quality and environmental management with a strong commitment to customer satisfaction, reliable supply and fast delivery worldwide.

Nucleotides & Nucleosides

Jena Bioscience is the leading supplier for nucleotides and their analogs. We have **more than 2.000 natural and modified nucleotides** available on stock. Backed by >25 years of expertise in nucleotide chemistry and management of custom synthesis projects, we help researchers tackle even the most challenging applications.

Key applications:
- → Modified DNA & RNA synthesis
- → Sequencing technologies
- → Molecular diagnostics
- → Synthetic biology

Molecular Biology

Our molecular biology portfolio supports every step of your workflow, from nucleic acid purification to PCR, (RT)-qPCR and LAMP master mixes, as well as cloning, DNA modification and routine laboratory applications. Beyond our standard portfolio, we offer customizable master mixes in liquid and lyophilized formats, with flexible bulk and OEM options tailored to your needs.

Key applications:
- → PCR, qPCR, RT-(q)PCR & LAMP
- → Nucleic acid preparation
- → DNA cloning & modification
- → Laboratory essentials

LEXSY Expressions

Originally developed at the Max Planck Institute in Dortmund, the **LEXSY Expression System** combines the simplicity of microbial expression with the advantages of a fully eukaryotic host. It enables reliable production of complex recombinant proteins with authentic folding and post-translational modifications while remaining easy to cultivate and scale.

Key applications:
- → Recombinant protein expression
- → Secreted & intracellular proteins
- → Membrane proteins
- → Protein engineering

Click Chemistry

Click chemistry has revolutionized biomolecule conjugation by enabling **rapid, highly selective reactions** under **mild, aqueous conditions**. Jena Bioscience offers a broad portfolio of single reagents and kits for reliable labeling, detection and tracking of biomolecules via Copper-catalyzed (CuAAC) and Copper-free (SPAAC, IEDDA) methods.

Key applications:
- → DNA, RNA & protein synthesis monitoring
- → *In vitro* labeling of biomolecules
- → *In vitro* crosslinking of biomolecules
- → Posttranslational modification analysis

RNA Technologies

Supporting **every stage of modern RNA research**, Jena Bioscience provides reliable technologies for **enzymatic synthesis of biologically functional RNA** as well as **RNA labeling, detection and analysis.** Our comprehensive portfolio enables researchers to accelerate discoveries in RNA biology and therapeutic development.

Key applications:
- → IVT-based synthesis of modified & 5'-capped RNA
- → RNA labeling & analysis
- → RNA-guided gene targeting

Proteins

Designed for research, diagnostics and assay development, our portfolio of **recombinant proteins, enzymes and viral** and **microbial antigens** delivers the consistency and performance required for demanding applications.

Key applications:
- → Immunodiagnostics
- → Infectious disease research
- → Recombinant proteins & enzymes
- → OEM assay development

Crystallography & Cryo-EM

Understanding protein structure starts with choosing the right tools. Jena Bioscience provides comprehensive solutions for structural biology, supporting researchers from **initial crystallization screening** to **high-resolution structure determination by X-ray crystallography** and **Cryo-EM**.

Key applications:
- → Crystallization screening & optimization
- → Cryo-EM sample preparation
- → Phasing & structure determination
- → Membrane protein stabilization

Probes & Epigenetics

Designed for **sensitive, non-radioactive detection**, Jena Bioscience provides the tools to label biomolecules for use as detection molecules or for their direct visualization. From **individual modified nucleotides and detection reagents** to **ready-to-use labeling kits**, we help researchers visualize and understand biological processes with confidence.

Key applications:
- → Enzymatic synthesis of fluorescent & hapten modified DNA and RNA probes
- → Fluorescent & hapten labeling of proteins
- → Detection of epigenetic modifications

RELIABLE BULK SUPPLY

Scalable Portfolio & OEM Expertise

Whether you require gram quantities or multi-kilogram production, our portfolio scales with your project. We offer flexible OEM solutions, including custom formulations and products, packaging and configurations tailored to your specific requirements.

Independent Manufacturing & Certified Quality

Manufactured in Germany under DIN EN ISO 9001 and ISO 14001 certified processes, our products are produced with full control over quality, consistency and supply reliability.

A Partner You Can Rely On

Every batch undergoes rigorous quality control to ensure outstanding consistency and long-term stability. Combined with responsive technical support and decades of manufacturing expertise, we help you move your projects forward with confidence.