



Jena Bioscience, with over 25 years of experience, is a leading provider of inovative and high-quality reagents and customized services in the life science field.



Bulk – Tailored to your scale.

Ready-made or customized life science reagents (liquids, lyo-ready or lyophilized) in large quantities, with personalized packaging and scientific support.



OEM – Your products, your way.

Exclusivity with customized formulations, packaging and branding under strict confidentiality.

Contact our Molecular Biology Experts:

Phone: +49(0)3641 - 6285 000
Mail: molbio@jenabioscience.com



Dr. Bürk Schäfer
Head of Molecular Biology Dept.



Dr. Juliane Buschmann
Business Development Manager



SINGLE COMPONENTS

Polymerases, nucleotides, buffers and additives in individual quantities or fillings

Polymerases & Enzymes

- DNA & RNA polymerases
- Thermolabile UNG
- RNase inhibitor

Lyo-Ready Components

- Glycerol-free polymerases & enzymes
- Highly concentrated reagents for lyophilization

Nucleotides

- In-house manufactured
- Ultrapure (> 99.0 %)
- Singles, bundles or mixtures

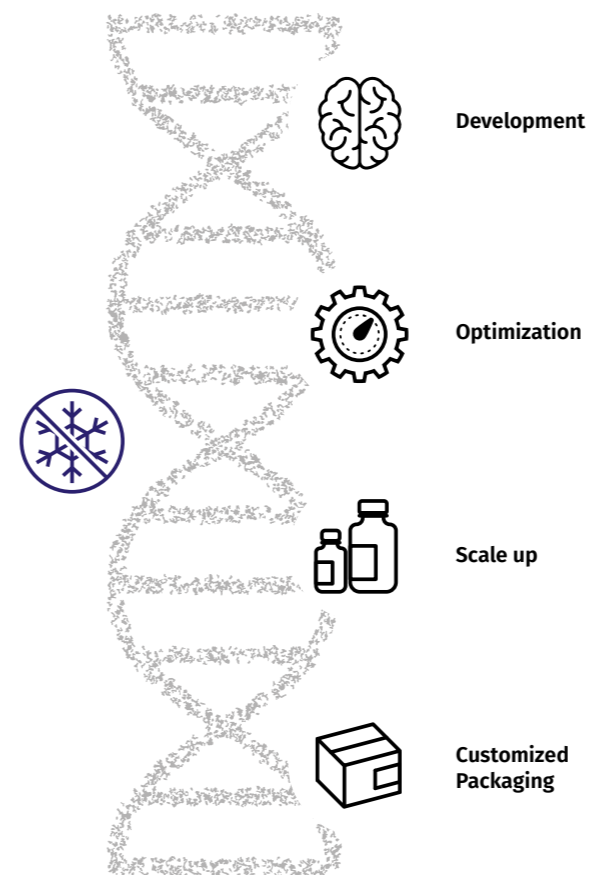
Buffer, Water & Supplements

- Pre-mixed buffers
- PCR-grade water
- Gel loading buffer
- DNA staining

- Complete control over your product
- Product optimization
- Change in formulation
- Kit configuration

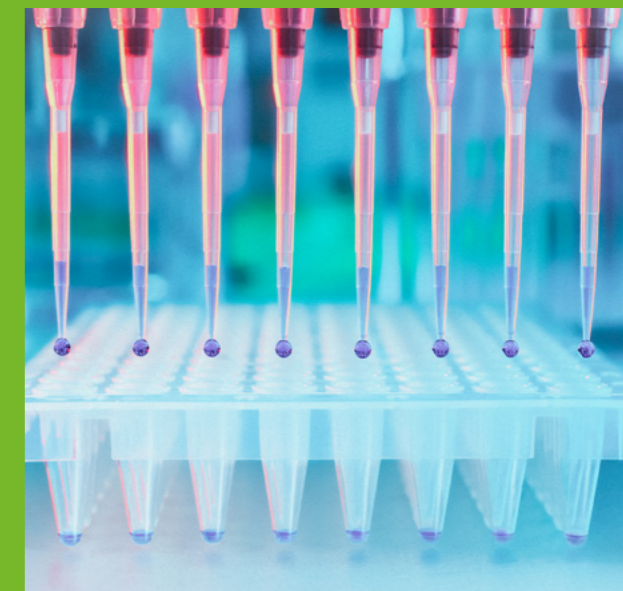
LYOPHILIZATION

Lyophilisates according to your requirements



Contact us for customized lyophilization service:
molbio@jenabioscience.com

**YOUR PARTNER
IN MOLECULAR
BIOLOGY**



**Ready-to-Use & Customized Kits
Liquid & Lyophilized – OEM Solutions
Lab to Bulk Scale**



DNA/RNA PREPARATION & CLEANUP

DNA Extraction Kits

Efficient extraction kits based on columns or solutions, suitable for various sources

RNA Isolation Kits

Rapid and effective isolation of highly purified RNA

Cleanup Kits

Remove impurities, contaminants and enzymatic inhibitors

Plasmid Preps

Column based isolation of plasmid or cosmid DNA

Genomic DNA, plasmid DNA, total RNA or viral RNA from:



Tissue



Swabs



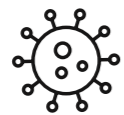
Blood



Bacteria



Yeast



Viruses

CLASSICAL PCR

Product range for End point PCR

- High quality thermophilic polymerases
- Ultrapure nucleotides

Master Mixes

- End point PCR
- Multiplex
- Direct gel loading
- Hot Start

Polymerases & Core Kits

- Taq, Hot Start, High Fidelity, Phusion
- Proof-reading
- Aptamer inhibited
- Antibody blocked

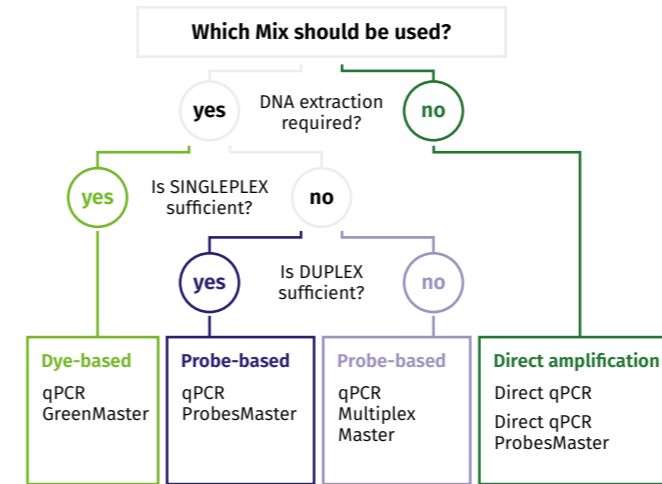
DNA Ladders

- Log scale
- Linear scale
- Fluorescent
- Digests of DNA

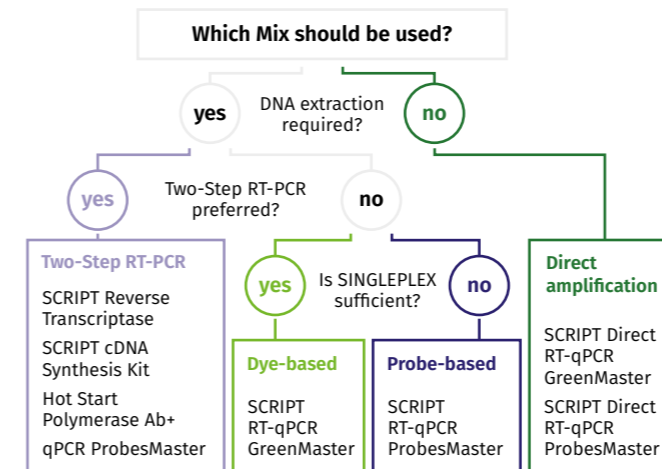
Chromatography

- Agarose
- Loading buffer
- DNA staining

qPCR



RT-qPCR



DIRECT AMPLIFICATION

No need for time-consuming DNA extraction

- Cut down total time for DNA analysis
- Automatable for high throughput
- Perfect for point-of-care applications
- Time & cost efficient
- Less plastic waste

ISOTHERMAL AMPLIFICATION & LAMP

Loop mediated isothermal amplification

Isothermal amplification, with the standout technique known as **LAMP** (Loop-mediated Isothermal Amplification) is revolutionizing the way we analyze DNA and RNA.

LAMP is performed at a constant temperature (60–65°C), so no thermal cycling is required. Optimized Bst enzymes and master mixes generate an amplification factor of up to 10⁹, comparable to 30 cycles in a PCR assay. This allows the detection of a target gene within 10–30 minutes.

- Saphir Bst Polymerase
- Saphir LAMP GreenMaster
- Saphir LAMP GreenMaster Lyophilisate