Data Sheet

LIF

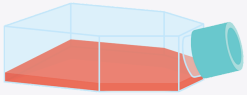
Recombinant Human Leukemia Inhibitory Factor (rhLIF)

Essential Cytokine for Stem Cell Pluripotency

InVitria's recombinant Leukemia Inhibitory Factor (rhLIF) is a high-purity, animal-origin-free cytokine designed for pluripotency maintenance and feeder-free human & murine stem cell culture. Manufactured in a cGMP & ISO 9001-certified facility, it delivers exceptional purity, ultra-low endotoxin levels, and superior consistency, ensuring reproducible cell growth for stem cell research, regenerative medicine, and bioprocessing applications.

Applications

- **Stem Cell Culture**
- **Pluripotency Maintenance**
- **Feeder-Free mESC Systems**
- **Regenerative Medicine**
- **Developmental Biology**
- **Tissue Engineering**
- **Bioprocessing Workflows**



- **Ultra-low endotoxin** – 500x lower endotoxin than E. coli-derived LIF.
- **High purity & bioactivity** – Ensures consistent pluripotency maintenance.
- **Ready-to-use format** – Sterile liquid, no reconstitution required.
- **Optimized for feeder-free systems** – Supports clean, reproducible culture conditions.
- **Scalable** – Ideal for research and GMP applications.
- **Cross-species compatible** – For use in murine as well as human applications.

Specifications

Purity	> 95% recombinant human LIF
Format	Liquid
Sterility	Sterile
Shelf Life	3 years
Regulatory Compliance	cGMP, ISO 9001
Packaging	10 mL bottles
Storage	–80°C

LIF Leukemia Inhibitory Factor

SCAN ME

Try Our LIF Today!

www.invitria.com/lif

InVitria
Performance. Defined.

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Recombinant Human Leukemia Inhibitory Factor (rhLIF)

InVitria's Commitment to Quality & Innovation

Recombinant, chemically defined solutions – Enhances consistency, purity, and performance in biomanufacturing.

Animal-origin-free – Eliminates plasma-derived risks for safer, more reliable formulations.

Lot-to-lot consistency – Ensures reproducibility and reliability by minimizing variability between production batches.

Scalable, reliable supply chain – Ensures secure global availability with high-volume production capacity.

ISO 9001 & cGMP compliant – Manufactured under strict quality and regulatory standards for consistency and safety.

Regulatory-friendly – Designed to meet pharmaceutical, biotech, and global regulatory requirements.



LIF Leukemia Inhibitory Factor

- No animal components
- Feeder-free culture compatible
- High bioactivity & purity
- Ready-to-use sterile liquid
- For use with marine & human applications
- Defined cytokine performance
- Supports ESC, MSC & iPSC culture

Product	Size	Product #
LIF	10 mL	777LIF048-10mL

*Request a quote for bulk & large-scale format options.

Secure Your Supply Now!

SCAN ME

InVitria, Inc
2718 Industrial Drive
Junction City, KS 66441
Phone: 800-916-8311
Fax: 785-238-5688
Email: info@invitria.com
www.invitria.com

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