



# Data Sheet

## LIF



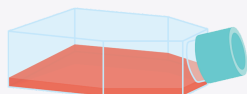
### Recombinant Human Leukemia Inhibitory Factor (rhLIF)

#### 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



#### Specifications

<b>Purity</b>	≥ 99% recombinant human LIF
<b>Format</b>	Liquid
<b>Sterility</b>	Sterile
<b>Shelf Life</b>	2 years
<b>Regulatory Compliance</b>	cGMP, ISO 9001
<b>Packaging</b>	10 mL bottles
<b>Storage</b>	2–8°C

- ✓ **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.

**LIF** Leukemia Inhibitory Factor

Try Our LIF Today!

[www.invitria.com/lif](http://www.invitria.com/lif)



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## LIF

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	SKU
LIF	10 mL	777LIF048-10mL

\*[Request a quote](#) for bulk & large-scale format options.

Secure Your Supply Now!



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