89 North’s PhotoFluor LM-75 is designed for extended use with minimal down time and maximum benefits.

**Direct mounting** eliminates need for unreliable liquid light guides.

As much or more **stable power** at the sample than a 200W metal halide light source.

**Extremely quiet** operation with **minimal heat** production in rooms with multiple microscopes.

Built-in DC ballast eliminates need for external control box, **reducing needed bench space**.

**Low up-front cost** and lower overall cost of ownership than other fluorescence light sources.

Contact 89 North for your ideal light source for **fluorescence in situ hybridization**.

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Chroma’s ET FISH filter sets provide brighter signals and excellent color separation for accurate scoring.

**Eliminate bleedthrough** of Gold and Aqua from Green signals to reliably discriminate between Aqua/Green/Gold/Red.

**Dual Band Sets with balanced Green/Orange and Green/Red** signals for different light sources.

**Special Red and Orange filter sets to separate Orange from Red signals** (advanced expertise required).

**Less eye fatigue** thanks to brighter fluorescent signals.

**No need for filter replacement – lifetime warranty**.

Contact Chroma for assistance in choosing filters for your fluorescent genetic testing application.
Quantification is key

The ability to quantify LONG® R3 IGF-I is important for optimizing its concentration when developing cell culture processes and feeding strategies. Quantification is also important when developing a recombinant protein purification process, in order to demonstrate clearance of the residual LONG® R3 IGF-I in cell culture supernatants prior to isolating your protein of interest. A LONG® R3 IGF-I ELISA kit was recently developed to monitor the levels of the growth factor in culture medium during these aspects of the production process. The ready-to-use ELISA kit detects concentrations of LONG® R3 IGF-I in the 0.31 to 40 ng/ml range, thus facilitating optimization of the cell culture process and downstream processing purification.

At Cell Sciences we are passionate about providing the highest quality products and customer support to advance your research and product development. Visit www.cellsciences.com for further product information, protocols and whitepapers.

Related Products from Cell Sciences

Human LONG® R3 IGF-I ELISA Kit
Recombinant Human LONG® R3 IGF-I Protein
Mouse Anti-Human LR3 IGF-I Clone 6H5 Antibody
Mouse Anti-Human LR3 IGF-I Clone 1A7 Biotinylated Antibody

LONG® is a trademark of Repligen Corporation.
What if my RNA-Seq is wrong?

Only with SIRVs can you be confident.

Spike-in controls are essential in RNA-Seq experiments to assess workflow and platform properties. However, external RNA controls existing to date are generally mono-exonic and non-variant, significantly limiting their ability to reflect the true nature of eukaryotic transcriptomes. These are characterized by extensive splicing, alternative and antisense transcription, overlapping genes, and rare events like the formation of fusion genes. The performance of RNA preparation, library generation, sequencing, and bioinformatics algorithms can furthermore not be assessed adequately without known transcript spike-in controls of representative complexity.

To address this gap, Lexogen has conceived Spike-In RNA Variants (SIRVs) for the quantification of mRNA isoforms in Next Generation Sequencing. The accuracy of mapping, isoform assembly and quantification can be assessed, making isoform-quantification based experiments comparable.

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**SIRVs (Spike-in RNA Variant Control Mixes)**

- 69 artificial transcript variants representing alternative splicing, promoter and poly(A) site usage, overlapping genes, and antisense transcription.
- Validation of the RNA-Seq pipeline.
- Quantification of differential expression on the transcript level.

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