

# 中乔新舟产品使用说明:

**Description:** Leukemia Inhibitory Factor, mouse

**Qty/Pk:** 5 x 10<sup>5</sup> units

**Key Applications:** Stem Cell Culture

**Application Notes:** Applications include use as a reagent for the in vitro maintenance of the pluripotential phenotype of murine ES cells.

ES Cells: In mouse ES cell cultures it is routinely found that 100U of per 1.0 mL of tissue culture media is required to maintain ES cells with a stem cell phenotype.

At the recommended concentration 10<sup>6</sup> units of LIF is sufficient for 1.0 L of tissue culture media and 10<sup>5</sup> units of ESGRO® is sufficient for 100 mL of tissue culture media.

**Species Reactivity:** Mouse

**Presentation:** LIF is supplied in liquid form as 5 x 10<sup>5</sup> Units in 500 mL of mouse ES cell medium.

**Storage Conditions:** LIF is shipped at ambient temperature. A cold pack may be included for customer relations, however it is truly not needed. This product is stable for at least 2 months from the date of manufacture, in the concentrated form at 4°C, with no loss of activity on ES cells. For long term storage it is recommended that LIF concentrate be stored at -20°C. Freeze-thawing will reduce potency. It is recommended that prior to use, LIF should be stored at 4°C. Freeze-thawing should be avoided. LIF is stable for a minimum of 7 days at 37°C, 5% CO<sub>2</sub> incubator during the culture of ES cells.

**Specific Activity:** LIF is assessed both on ES {embryonic stem} cells. 10<sup>5</sup> units is equivalent to approximately 1 µg of pure protein, and is sufficient to treat 100 mL of ES cell culture media.

**Packaging:** 5 mL

**Concentration:** 0.1 million units/1 mL

联系方式:

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