

# Certificate of Analysis

**Mouse Embryonic Stem Cells Growth Medium**

Catalog No. MUXES-90011

Lot Number: 110623c01

Preparation Date: 2011-6-23

Size: 500ml

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**Kit Components**

Containing 435 ml of Mouse Embryonic Stem Cells Basal Medium (Cat. No. MUXES-03011-435), 50 ml of Mouse Embryonic Stem Cell-Qualified Fetal Bovine Serum (Cat. No. MUXES -05001-50), 5 ml of L-Glutamine, 5 ml of Penicillin-Streptomycin Solution, 5 ml of Non-essential Amino Acid, 100 ul of LIF and 500 ul of 2-Mercaptoethanol, pH 7.2. Store at 4°C.

**Sterility**

Bacterial and Fungal Contamination: Samples are inoculated and cultured in blood agar plate, thioglycolate broth, tryptocase soy broth and sabouraud dextrose agar.

Specification: No growth must be observed.

Mycoplasma: Samples are tested for mycoplasma contamination using a PCR-based assay and direct culture.

Specification: Results must be negative.

Endotoxin: Samples are tested for endotoxin contamination with LAL test.

Specification: Results must show  $\leq 25\text{EU/ml}$ .

**Cell culture testing**

Each batch of growth medium is tested for its ability to support in vitro growth of Mouse Embryonic Stem Cells. When are cultured in growth medium, cells must demonstrate a doubling time of 20~24 h.

**Results:**

Meet all specifications

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