

---

## Certificate of Analysis

**Mesenchymal Stem Cell Growth Medium**

Catalog No. GUXMX-90011

Lot Number: 120306c01

Preparation Date: 2012-3-6

Size: 500ml

---

### **Kit Components**

Containing 440 ml of Mesenchymal Stem Cell Basal Medium (Cat. No. GUXMX-03011-440), 50 ml of Mesenchymal Stem Cell-Qualified Fetal Bovine Serum (Cat. No. GUXMX -05001-50), 5 ml of L-Glutamine, 5 ml of Penicilin-Streptomycin Solution, 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 Mesenchymal stem cells. When are cultured in growth medium, cells must demonstrate a doubling time of 18~24 h, can proliferate for  $\geq 5$  passages, and that  $\leq 5\%$  of cells exhibit spontaneous differentiation in each passage.

### **Results:**

Meet all specifications

---



Jane Chen

QA Manager

Mar 21, 2012