

## Certificate of Analysis

**Mesenchymal Stem Cells Chondrogenic Differentiation Medium**

Catalog No. GUXMX-90041

Lot Number: 120726c01

Preparation Date: 2012-7-26

Size: 200ml

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### Kit Components

Containing 194 ml of Mesenchymal Stem Cell Chondrogenic Differentiation Basal Medium (Cat. No. GUXMX-03041-194), 20 ul of Dexamethasone, 600 ul of Ascorbate, 2 ml of ITS + Supplement, 200 ul of Sodium Pyruvate, 200 ul of Proline and 2 mL of TGF- $\beta$  3. Store at 4°C once prepared.

### Sterility

Bacterial and Fungal Contamination: Samples are inoculated and cultured on 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 direct culture.

Specification: Results must be negative.

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

Specification: Results must show a concentration of  $\leq 25$ EU/ml.

### Differentiation Ability

Mesenchymal Stem cells are assayed after cryopreservation for their ability to differentiate into chondrocytes using Mesenchymal Stem Cells Chondrogenic Differentiation Medium, about 50% cells are stained with Alician Blue.

### Results:

All specifications have been met.

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Aug 10, 2012