

Certificate of Analysis

Mesenchymal Stem Cell Adipogenic Differentiation Medium Catalog No. GUXMX-90031

Lot Number: 121214c01

Preparation Date: 2012-12-14

Size: 200ml

| Kit Components | |
|---|--------|
| Mesenchymal Stem Cell Adipogenic Differentiation Medium A: | |
| Mesenchymal Stem Cell Adipogenic Differentiation Basal Medium A | 175 ml |
| (Cat. No. GUXMX -03031-175) | |
| Mesenchymal Stem Cell-Qualified Fetal Bovine Serum | 20 ml |
| (Cat. No. GUXMX -05001-20) | |
| Penicillin-Streptomycin | 2 ml |
| Glutamine | 2 ml |
| Insulin | 400 ul |
| IBMX | 200 ul |
| Indomethacin | 200 ul |
| Dexamethasone | 200 ul |
| | |
| Mesenchymal Stem Cell Adipogenic Differentiation Medium B: | |
| Mesenchymal Stem Cell Adipogenic Differentiation Basal Medium B | 175 ml |
| (Cat. No. GUXMX -03032-175) | |
| Mesenchymal Stem Cell-Qualified Fetal Bovine Serum | 20 ml |
| (Cat. No. GUXMX -05001-20) | |
| Penicillin-Streptomycin | 2 ml |
| Glutamine | 2 ml |
| Insulin | 400 ul |

Store at $4 \, \mathbb{C}$ 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 ≤ 25 EU/ml.

Differentiation Ability

Mesenchymal Stem cells are assayed after cryopreservation for their ability to differentiate into adipocytes using Mesenchymal Stem Cells Adipogenic Differentiation Medium, about 50% cells are stained with Oil Red O.

Results:

All specifications have been met.

Jane Chen QA Manager

Jane Chen

Jan 18, 2013