

Certificate of Analysis

Mesenchymal Stem Cell Adipogenic Differentiation Medium

Catalog No. GUXMX-90031

Lot Number: 110610c01

Preparation Date: 2011-6-10

Size: 200ml

Kit Components

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

Store at 4°C once prepared.

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 direct culture.

Specification: Results must be negative.

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

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

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:

Meet all specifications



Jane Chen
QA Manager
Jun 20, 2011