

Certificate of Analysis

Mesenchymal Stem Cells Osteogenic Differentiation Medium

Catalog No. GUXMX-90021

Lot Number: 120510c01

Preparation Date: 2012-5-10

Size: 200ml

Kit Components

Containing 175 ml of Mesenchymal Stem Cell Osteogenic Differentiation Basal Medium (Cat. No. GUXMX-03021-175), 20 ml of Mesenchymal Stem Cell-Qualified Fetal Bovine Serum (Cat. No. GUXMX -05001-20), 2 ml of Penicillin-Streptomycin, 2 ml of Glutamine, 400 ul of Ascorbate, 2 ml of β -Glycerophosphate and 20 ul of Dexamethasone. 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 osteocytes using Mesenchymal Stem Cells Osteogenic Differentiation Medium, about 50% cells are stained with Alizarin Red.

Results:

All specifications have been met.



Jane Chen

QA Manager

May 22, 2012