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 ℃ 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 ≤ 25EU/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
Jan 18, 2013