Cyagen US Inc.
www.cyagen.com

Certificate of Analysis

Mesenchymal Stem Cell Adipogenic Differentiation Medium

Catalog No. GUXMX-90031
Lot Number: T190514G001

Preparation Date: 2019-05-14
Size: 200 ml

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
Rosiglitazone	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 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
June 5, 2019