

Certificate of Analysis

Adipose-derived Stem Cell Growth Medium

Catalog No. GUXMD-90011

Lot Number: T140422G001

Preparation Date: 2014-04-22

Size: 500 ml

Kit Components

Containing 440 ml of Adipose-derived Stem Cell Basal Medium (Cat. No. GUXMD-03011-440), 50 ml of Adipose-derived Stem Cell-Qualified Fetal Bovine Serum (Cat. No. GUXMD-05001-50), 5 ml of L-Glutamine, 5 ml of Penicillin-Streptomycin Solution, pH 7.2. Store at 4 °C.

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 a PCR-based assay and direct culture.

Specification: Results must be negative.

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

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

Cell Culture Testing

Each batch of growth medium is tested for its ability to support in vitro growth of adipose-derived stem cells. When are cultured in growth medium, cells must demonstrate a doubling time of 18~24 h, can proliferate for ≥ 5 passages, and that $\leq 5\%$ of cells exhibit spontaneous differentiation in each passage.

Results:

All specifications have been met.



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May 20, 2014