
Certificate of Analysis

Human Embryonic Stem Cells Growth Medium

Catalog No. MUXES-90011

Lot Number: 111220c01

Preparation Date: 2011-12-20

Size: 500ml

Kit Components

Containing 385 ml of Human Embryonic Stem Cells Basal Medium (Cat. No. HUXES-03011-435), 40 ml of Human Embryonic Stem Cell-Qualified Fetal Bovine Serum (Cat. No. HUXES -05001-50), 60ml of KSR, 5 ml of L-Glutamine, 5 ml of Penicilin-Streptomycin Solution, 5 ml of Non-essential Amino Acid, 100 ul of bFGF and 500 ul of 2-Mercaptoethanol, pH 7.2. Store at 4°C.

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 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 $\leq 25\text{EU/ml}$.

Cell culture testing

Each batch of growth medium is tested for its ability to support in vitro growth of human embryonic stem cells. When are cultured in growth medium on feeder cells, cells must be showed to remain undifferentiated. When are cultured in differentiation medium, cells must be showed their ability to differentiate into embryoid bodies and express cell-specific markers indicative of the three germ layers.

Results:

Meet all specifications



Jane Chen
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