
Certificate of Analysis

Sprague-Dawley Fetal Rat Hippocampus Neurons

Catalog No. SHCFN-00001

Lot Number: 110602E01

Cryopreservation Date: 2011-6-2

Passage Number: 0

Viability

Cells are assayed for viability post-thaw using vital staining assay with trypan blue.

Specification: Cells should exhibit $\geq 50\%$ viability.

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

Purity

Cells are assayed for purity using immunohistochemistry analysis of cell surface antigen expression after cryopreservation. Cells are immunostained with MAP2 and beta III tubulin.

Specification: Cells must show $\geq 70\%$ positivity for expression of neuronal markers MAP2 and beta III tubulin.

Results:

Meet all specifications



Jane Chen
QA Manager
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