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## Certificate of Analysis

**Sprague-Dawley Fetal Rat Cortex Neurons**

Catalog No. SCCFN-00001-2

Lot Number: 120508E02

Cryopreservation Date: 2012-5-8

Passage Number: 0

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

### 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:

All specifications have been met.

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