

Certificate of Analysis

Sprague-DawleyRacorticalAstrocytes

Catalog No. SCCAC-00001

Lot Number: 110118F01

Cryopreservation Date: 2011-1-18

Passage Number: 1

Viability

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

Specification: Cells should exhibit $\geq 80\%$ 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 immunocytochemical analysis of cell antigen expression after cryopreservation. Cells are immunofluorescently stained with antibodies specific to cell antigens GFAP (astrocyte marker), $\beta 3$ -tubulin (neuronal marker) and GalC (oligodendrocyte marker).

Specification: Cells must show $\geq 80\%$ positivity for expression of cell antigens GFAP. Cells must show $\leq 10\%$ positivity for expression of cell antigens $\beta 3$ -tubulin and GalC.

Proliferation Ability

The cells are characterized by their ability to proliferate in culture with an attached well-spread morphology for ≥ 2 passages.

Results:Meet all specifications

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