

Superior Neuron Culture

CAI Scientists Show Neurons Exhibit Superior Viability & Neurite Extensions When Cultured in Optimized Medium, Sep 3, 2015

Basic researchers and pharmaceutical companies are using more & more neurons and optimized media to address normal physiology, pathology and nervous system disease. Lying along the vertebral column by the spine, dorsal root ganglia are nerve cell body clusters containing afferent neurons that relay sensory information from the peripheral body to the central nervous system. They are employed to study ion channel properties, modulation, neuropathy, peripheral nerve injury, regeneration, myelination, synaptogenesis and more. Notably, Rat Dorsal Root Ganglion Neurons exhibit superior viability and neurite extensions when cultured in optimized media from Cell Applications, compared to a leading competitor medium (Figure). Such findings could potentially enhance the pace, quality and impact of CNS research and development using RDRGN.

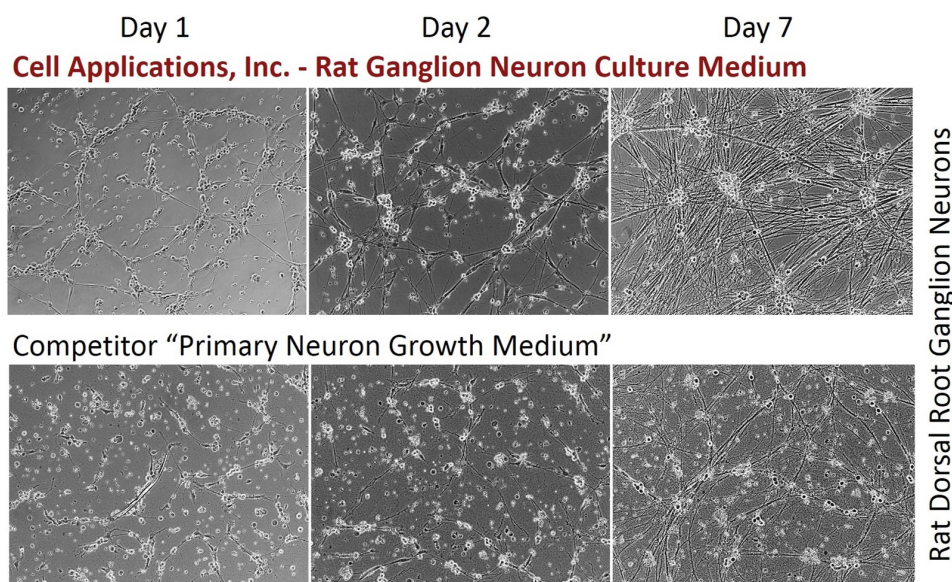


Figure: Superior Growth of Neurons Cultured in Cell Applications Medium versus Competitor. Rat Dorsal Root Ganglion Neurons: [RDRGN](#) [1] (Cat # R8820N-05) were cultured at 1×10^5 cells/cm² in [Rat Ganglion Neuron Culture Medium](#) [2] from Cell Applications, Inc. (Top) or "Primary Neuron Growth Medium" from a well-recognized competitor (Bottom). Images from days 1, 2 & 7 clearly indicate the neurons exhibit superior viability and neurite extensions when cultured in the medium from CAI, compared to the alternative.

[LinkedIn](#)[Google](#) [+FaceBook](#)[YouTube](#)[Twitter](#)

- [Site](#)
 - [Privacy](#)
 - [Returns](#)
 - [Shipping](#)
 - [Terms](#)
 - [Disclaimer](#)
-

Source URL: <http://www.cellapplications.com/superior-neuron-culture>

Links:

[1] <http://www.cellapplications.com/product-type/rat-dorsal-root-ganglion-neurons-rdrgn>

[2] <http://www.cellapplications.com/product-type/rat-neuron-media>