NEUROMICS

Universal Neurite Outgrowth Media

Catalog #: HNM004

Size: 500 ml

Storage: Store the medium at 2-8°C Celsius

Format: Liquid

Sterilization: 0.2 µm sterile filtered

GENERAL INFORMATION

Neurite outgrowth is a process wherein developing neurons produce new projections as they grow in response to guidance cues. During development, neurons extend numerous processes that differentiate into dendrites and axons. These processes (termed neurites) are critical for communication between neurons. To help understand the biology of neurite outgrowth can shed light on mechanisms underlying certain neurodegenerative diseases, we have developed a media that helps stimulate neurite formation.

Each lot of media is subjected to comprehensive quality control tests using primary human cells. A panel of different bioassays affirms the media sustain a proper environment for expected cell-type-specific culture, growth, plating, karyotype, physiology, morphology, viability, population doublings, surface markers, cryopreservation, differentiation, and/or induction.

In addition, every lot of media is tested for the absence of microbial contaminants (fungi, bacteria, mycoplasma). The products undergo further quality control for correct pH, osmolality, and lack of endotoxins.

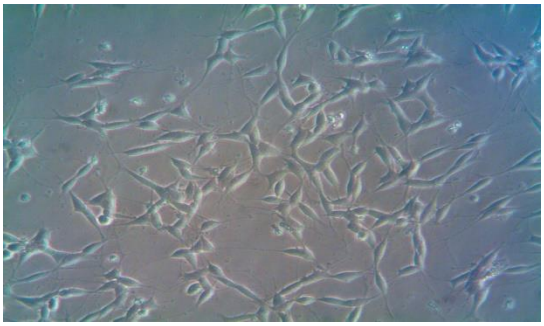
Product is for Research use only. Our products are not authorized for human use, in vitro diagnostic procedures, or for therapeutic procedures.

Storage Condition: Store the medium at 2-8°C. Item is shipped with gel paks.

Note: To ensure sterility after 2 weeks or if there is concern that sterility was compromised during the supplementation process, the prepared medium may be re filtered with a 0.2 um filter.

Applications:

- Screen for neurotoxicity
- Investigate neuroprotective treatments
- Study pathways involved in neurodegeneration
- Measure neuronal differentiation
- Gain dynamic, relevant insight
- Maximize your neuroscience research
- Create relevant models of neurodegeneration
- Protect your cells



FOR RESEARCH USE ONLY

NEUROMICS REAGENTS ARE FOR IN VITRO AND CERTAIN NON-HUMAN IN VIVO EXPERIMENTAL USE ONLY AND NOT INTENDED FOR USE IN ANY HUMAN CLINICAL INVESTIGATION, DIAGNOSIS, PROGNOSIS, OR TREATMENT. THE ABOVE ANALYSES ARE MERELY TYPICAL GUIDES. THEY ARE NOT TO BE CONSTRUED AS BEING SPECIFICATIONS. ALL OF THE ABOVE INFORMATION IS, TO THE BEST OF OUR KNOWLEDGE, TRUE AND ACCURATE. HOWEVER, SINCE THE CONDITIONS OF USE ARE BEYOND OUR CONTROL, ALL RECOMMENDATIONS OR SUGGESTIONS ARE MADE WITHOUT GUARANTEE, EXPRESS OR IMPLIED, ON OUR PART. WE DISCLAIM ALL LIABILITY IN CONNECTION WITH THE USE OF THE INFORMATION CONTAINED HEREIN OR OTHERWISE, AND ALL SUCH RISKS ARE ASSUMED BY THE USER. WE FURTHER EXPRESSLY DISCLAIM ALL WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. v1-09809

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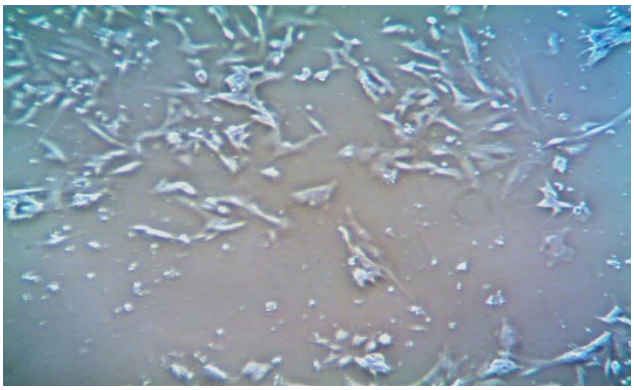
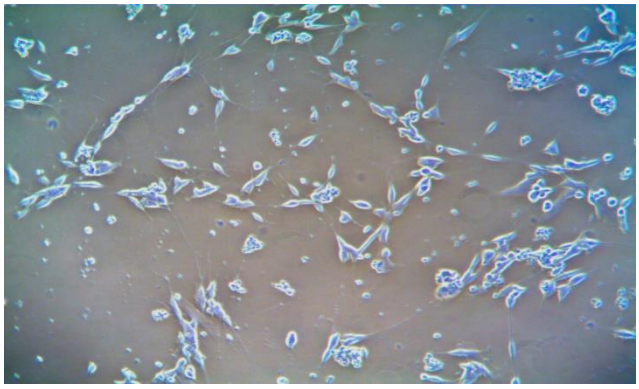
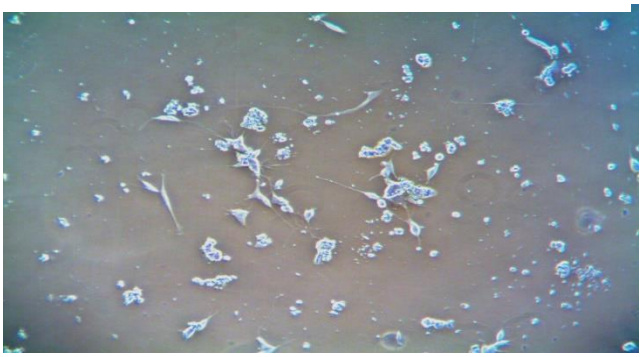
Images of primary neurons cultured using Universal Neurite Outgrowth Media



Primary human neurons in culture growth using Neuron Growth Media (cat. HNM001)



Primary human neurons growing in Universal Outgrowth Media. Neurite formation can be seen.



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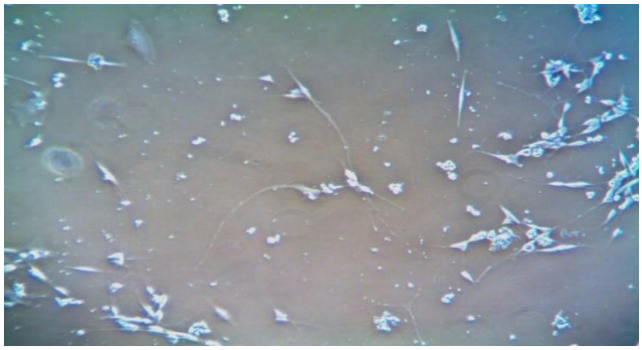

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Culturing Cells:

1. When culturing cells using this media, seeding them at 50% of normal density is important. The extra space is needed for the neurons to form neurites.
2. Check the cells 24 hours after seeding.
3. Change the medium 48 hours after seeding. Be very gentle when changing the cell culture media to avoid damaging the forming neuron networks.

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