



## ***N21-MAX Media Supplement (50X)***

**Catalog Number:** AR008

**Size:** 10 mL

### ***Specifications and Use***

- Description** ♦ N21-MAX Media Supplement is a serum-free media supplement specially optimized for the long-term culture of central nervous system neurons. N21-MAX Media Supplement is tested in the viability and growth of E18 rat hippocampal neurons. The supplement is supplied as a 50X concentrated solution.
- Storage** ♦ Store in the dark at  $\leq -20$  °C **in a manual defrost freezer.**
- Components**
- |                    |                                |
|--------------------|--------------------------------|
| ♦ Albumin (bovine) | ♦ Lipoic Acid                  |
| ♦ L-Carnitine      | ♦ Progesterone                 |
| ♦ Catalase         | ♦ Putrescine                   |
| ♦ Corticosterone   | ♦ Retinyl acetate              |
| ♦ Ethanolamine     | ♦ Retinol                      |
| ♦ Glutathione      | ♦ Selenite                     |
| ♦ Galactose        | ♦ Superoxide dismutase         |
| ♦ Holo-Transferrin | ♦ Triiodo-L-thyronine          |
| ♦ Insulin          | ♦ D,L-alpha-Tocopherol         |
| ♦ Linoleic Acid    | ♦ D,L-alpha-Tocopherol acetate |
| ♦ Linolenic Acid   |                                |
- Precautions** ♦ This product contains human transferrin. This transferrin was tested at the donor level using an FDA licensed method and found to be non-reactive for anti-HIV-1/2 and Hepatitis B surface antigen. As no testing can offer complete assurance of freedom from infectious agents, this product should be handled as if capable of transmitting infection.

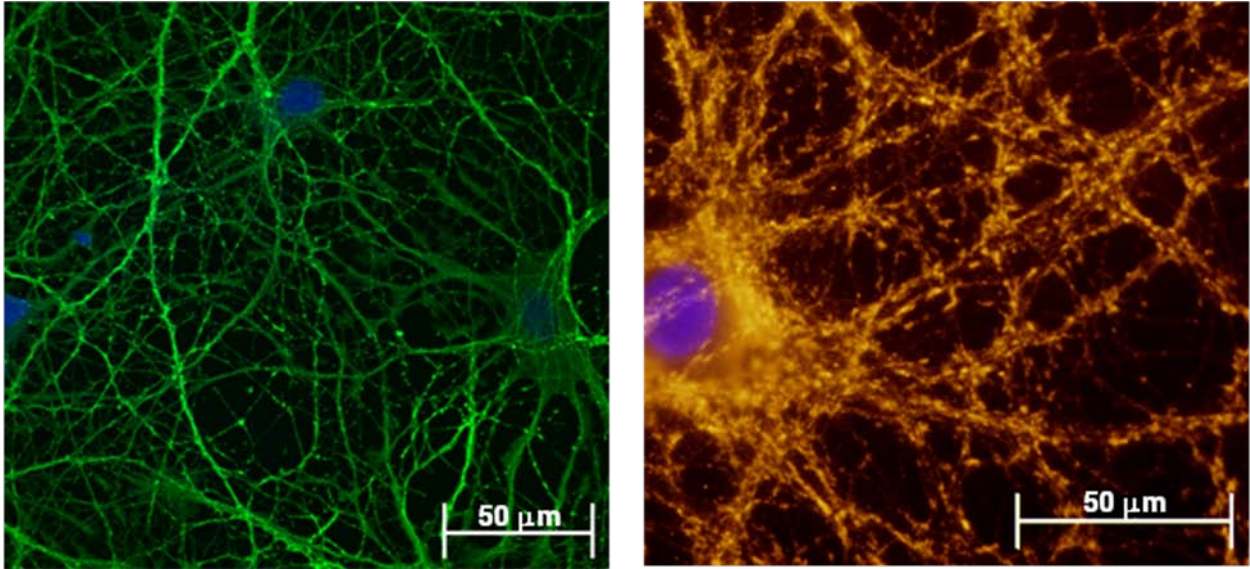
### ***N21-MAX Media Preparation***

Dilute 50-fold with basal media (e.g. Neurobasal® from Invitrogen®, Catalog # 21103049) and supplement with 0.5 mM L-glutamine before use. Store the media in the **dark** at 2-8 °C for up to two weeks.

FOR RESEARCH USE ONLY. NOT FOR USE IN HUMANS.

**R&D Systems, Inc.**  
**1-800-343-7475**

## Sample Data



E18 rat hippocampal neurons grown for 21 days *in vitro* and stained with mouse anti-human CaM Kinase II alpha (green; R&D Systems, Catalog # MAB5584) or mouse anti-rat Synaptotagmin (orange; R&D Systems, Catalog # MAB4364) and counterstained with DAPI (blue).

To see full-color images, please refer to our website  
([www.RnDSystems.com/pdf/AR008.pdf](http://www.RnDSystems.com/pdf/AR008.pdf)).

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