

# N21-MAX Media Supplement (50X)

Catalog Number: AR008 Volume: 10 mL

# **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 has been tested for the viability and growth of E18 rat hippocampal neurons. The supplement is provided as a 50X concentrated solution.

### MEDIA SUPPLEMENT COMPONENTS

Store in the dark at  $\leq$  -20 °C in a manual defrost freezer. Do not use past the expiration date.

| 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   |                              |  |  |

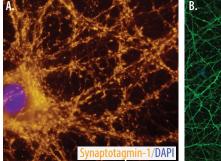
# **PRECAUTION**

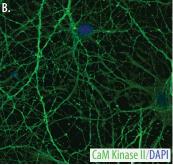
This product contains human transferrin from human source material. This human source material was tested at the donor level using an FDA licensed method and found to be non-reactive for anti-HIV-1/2 and Hepatitis B surface antigen. As no testing can offer complete assurance of freedom from infectious agents, these reagents should be handled as if capable of transmitting infection.

# **N21-MAX MEDIA PREPARATION**

Dilute 50-fold with basal media 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.

### **DATA EXAMPLES**





**Figure 1:** E18 rat hippocampal neurons grown for 21 days *in vitro* and labeled with (**A**) mouse anti-rat Synaptotagmin antibody (orange; R&D Systems, Catalog # MAB4364) or (**B**) mouse anti-human CaM Kinase II alpha antibody (green; R&D Systems, Catalog # MAB5584) and counterstained with DAPI (blue).

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| bio-techne.com<br>info@bio-techne.com | North America    | Europe • Middle East • Africa | China<br>info.cn@bio-techne.com                              | Rest of World<br>bio-techne.com/find-us/distributors |
| techsupport@bio-techne.com            | TEL 800 343 7475 | TEL +44 (0)1235 529449        | TEL +86 (21) 52380373  | TEL +1 612 379 2956                                  |
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