

## 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	

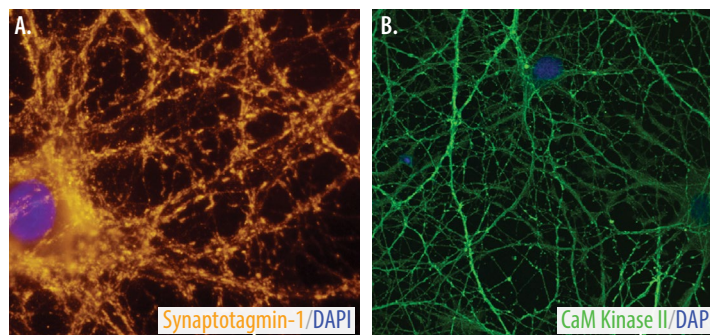
## PRECAUTION

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).