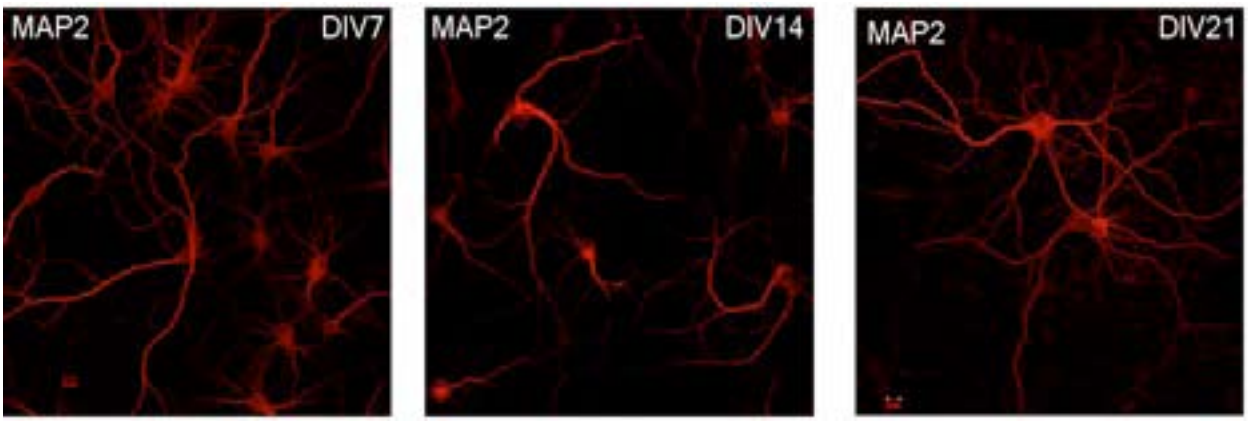
NeuroFreeze freezing medium for neurons

Primary neurons from mice are a good model system to examine the structure and function of neurons and have been widely used very successfully by the neuroscience community. However, they are cumbersome to culture, need to be cultured directly from mice or rats and any excessive neurons that cannot be used need to be discarded leading to loss of precious tissue and unnecessary animal sacrifice.

Neurons frozen with NeuroFreeze medium:

- ✓ Retain 75-90% viability upon thawing
- ✓ Maintain morphology of primary neurons
- ✓ Express neuronal and synaptic markers
- ✓ Don't require multiple stepwise reductions in temperature upon freezing

The use of NeuroFreeze media offers the convenience of thawing and using neurons as need arises without having to dissect an animal for neuron culture each time experiments need to be conducted. This would allow researchers to freeze neurons from control or diseased mice and culture them as necessary, a great advantage for researchers using mouse models of disease, or genetically engineered strains.



Rat cortical neurons were frozen with NeuroFreeze. Neurons were thawed and cultured for 7, 14 and 21, days followed by staining with MAP2.

mdbiosciences.
bioproducts division

To place an order:

Cat # M036041
10 or 30 mL sizes
mdbioproducts.com
1-888-USMDBIO or +41-44 986 2628

v1.April2015