



***StemXVivo™ Serum-Free NSC Base Media***  
Serum-Free Base Media for Neural Stem Cell (NSC) Expansion and Differentiation  
Catalog Number: CCM002  
Volume: 250 mL

***Product Description***

The StemXVivo Serum-Free NSC Base Media is a serum-free formulation for the expansion and differentiation of neural stem and progenitor cells. All the components have been selected and optimized for culturing human, mouse, or rat neural stem and progenitor cells.

***Intended Use***

StemXVivo Serum-Free NSC Base Media must be used with cytokine/growth factor supplements for the desired cell culture application. The cytokine/growth factor combinations used to expand or differentiate NSCs depend on the experimental design of each individual researcher.

**Note:** *Cytokines and growth factors can be obtained from R&D Systems ([www.RnDSystems.com](http://www.RnDSystems.com)). For an example using StemXVivo Serum-Free NSC Base Media for the expansion of rat cortical stem cells, refer to the Rat Cortical Stem Cell Culture Protocol ([www.RnDSystems.com/go/RatCorticalSCProtocol](http://www.RnDSystems.com/go/RatCorticalSCProtocol)).*

***Stability and Storage***

Upon receipt, the StemXVivo Serum-Free NSC Base Media should be stored at  $\leq -20^{\circ}\text{C}$  in a manual defrost freezer. The media can be thawed at  $2 - 8^{\circ}\text{C}$  or at room temperature. Thawed media can be aliquoted and stored at  $\leq -20^{\circ}\text{C}$  in a manual defrost freezer for up to 3 months or used within 10 days when stored in the dark at  $2 - 8^{\circ}\text{C}$ . Avoid repeated freeze-thaw cycles.

***Precautions***

The human transferrin used in this product was derived from human plasma, which has been tested and found negative for antibodies to HIV-1/2, hepatitis B surface antigen (HBsAg), and hepatitis C virus (HCV). However, the medium should be handled as if potentially infectious. Safe laboratory procedures should be followed and protective clothing should be worn when handling this media. The acute and chronic effects of over-exposure to this media are unknown.

***Limitations***

- FOR LABORATORY RESEARCH USE ONLY. NOT FOR DIAGNOSTIC USE.
- The safety and efficacy of this product in diagnostic or other clinical uses has not been established.
- This reagent should not be used beyond the expiration date indicated on the label.
- Results may vary due to variations between human hematopoietic progenitors derived from different individuals.

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