



## ***StemXVivo™ Adipogenic Supplement (100X)***

Media Supplement for Human and Mouse MSC Adipogenesis

Catalog Number: CCM011

Volume: 3.5 mL

### ***Product Description***

The StemXVivo Adipogenic Supplement is a media supplement for the differentiation of human or mouse mesenchymal stem cells (MSCs) into adipocytes. All the components have been selected and optimized for MSC adipogenesis. This product does not contain antibiotics.

### ***Intended Use***

StemXVivo Adipogenic Supplement is designed for use with StemXVivo Osteogenic/Adipogenic Base Media (R&D Systems, Catalog # CCM007) for the desired differentiation application. It may be used with other base media to differentiate MSCs depending on the experimental design of each researcher.

**Note:** For an example using Catalog # CCM007 and CCM011 for human or mouse MSC Adipogenesis, refer to the website for the MSC Differentiation Protocol ([www.RnDSystems.com/go/AdipoMSCDiffProtocol](http://www.RnDSystems.com/go/AdipoMSCDiffProtocol)).

### ***Precautions***

This product contains 95% ethanol and is highly flammable. Keep the container tightly closed, and keep it away from sources of ignition.

### ***Stability and Storage***

Upon receipt, the StemXVivo Adipogenic Supplement should be stored at  $\leq -20^{\circ}\text{C}$  in a manual defrost freezer. The supplement can be thawed at room temperature before use. Thawed supplement can be aliquoted and stored at  $\leq -20^{\circ}\text{C}$  in a manual defrost freezer for up to 3 months. Thaw a fresh aliquot for each use. Avoid repeated freeze-thaw cycles.

**Note:** If a precipitate forms, warm the Adipogenic Supplement vial in a  $37^{\circ}\text{C}$  water bath for 5 minutes. Vortex until the precipitate dissolves.

### ***Limitations***

- FOR LABORATORY RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES.
- 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 among MSC progenitor cells derived from different donors.

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**R&D Systems, Inc.**

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