

# MesenCult™ MSC Basal Medium (Mouse)

**Basal medium for differentiation of mouse mesenchymal stem cells into adipocytes**

Catalog #05501

400 mL



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## Product Description

MesenCult™ MSC Basal Medium (Mouse) is a standardized basal medium designed to be supplemented with MesenCult™ Adipogenic Stimulatory Supplement (Mouse; Catalog #05503) for the in vitro differentiation of mouse mesenchymal stem cells (MSCs) into adipocytes.

## Properties

**Storage:** Store at 2 - 8°C.

**Shelf Life:** Stable for 12 months from date of manufacture (MFG) on label.

NOTE: MesenCult™ MSC Basal Medium (Mouse) stored for more than 2 months following the date of manufacture, as indicated on the label, should be supplemented with additional L-glutamine. Add 1 mL of 200 mM L-Glutamine (Catalog #07100) to 99 mL of medium to achieve a final concentration of 2 mM.

## Preparation of Complete MesenCult™ Adipogenic Medium (Mouse)

Use sterile techniques to prepare complete MesenCult™ Adipogenic Medium (MesenCult™ MSC Basal Medium + MesenCult™ Adipogenic Stimulatory Supplement [Catalog #05503]). The following example is for preparing 500 mL of complete medium. If preparing other volumes, adjust accordingly.

1. Thaw MesenCult™ Adipogenic Stimulatory Supplement at room temperature (15 - 25°C) or at 2 - 8°C overnight. Mix thoroughly.  
NOTE: Once thawed, use immediately or aliquot and store at -20°C until expiry date as indicated on the label. After thawing the aliquots, use immediately. Do not re-freeze.
2. Add 100 mL of MesenCult™ Adipogenic Stimulatory Supplement to 400 mL of MesenCult™ MSC Basal Medium. Mix thoroughly.  
NOTE: If not used immediately, store complete MesenCult™ Adipogenic Medium at 2 - 8°C for up to 1 month. Do not exceed the shelf life of the individual components.

## Directions for Use

For complete instructions, refer to the Product Information Sheet for MesenCult™ Adipogenic Stimulatory Supplement (Mouse; Document #29924), available at [www.stemcell.com](http://www.stemcell.com) or contact us to request a copy.

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