

# Product Information: StemFit®Basic02



## 1. Introduction

StemFit®Basic02 is a xeno-free, defined medium for human pluripotent stem cell culture. This medium is capable of reprogramming, maintaining and differentiating human ES and iPS cells under feeder-free culture conditions.

## 2. Materials Provided

Component	Volume	Storage
Liquid A	400 ml	Store at below -20 °C
Liquid B	100 ml	Store at below -20 °C

**Note: This product does not contain basic fibroblast growth factor (bFGF)**



## 3. Media Preparation

StemFit®Basic02 is provided frozen as a 2 component set containing “Liquid A” and “Liquid B” and can be stored at below -20 °C until use. Use sterile techniques to prepare StemFit®Basic02 medium.

- 1) Before use, thaw the frozen “Liquid A” and “Liquid B” with occasionally mixing at room temperature (15-25 °C). **CAUTION: Do not thaw, “Liquid B” at 37 °C**, as it accelerates the degradation of medium ingredients.
- 2) Aseptically mix medium components by adding the full volume of “Liquid B” to “Liquid A”. Mix thoroughly. If prepared aseptically, StemFit®Basic02 is ready for use.
- 3) Upon thawing, StemFit®Basic02 medium may be aseptically aliquoted and stored at below -20 °C. Thawed StemFit®Basic02 medium may be stored at 2-8 °C for up to two weeks.  
Optional: We recommend storing the medium protected from light
- 4) Before use, warm aliquots to room temperature and use immediately.

## 4. Precaution and Disclaimer

StemFit®Basic02 is for research use only and is not for diagnostic use, therapeutic use (including clinical research), or as a food. This product contains material derived from human plasma. Therefore, this product should be treated as a potentially infectious agent, and in accordance with universal handling procedures.

## 5. Contact the following department for product information:

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