

# Human Fibroblast (hFIB) Reprogramming Kit

For induction of human iPSCs from Fibroblast



## Stemmera

### Features

- Ready-to-use for human fibroblast culture, human fibroblast reprogramming and freezing of iPSCs
- One-step reprogramming
- High efficiency reprogramming
- Serum/feeder-free culture and maintenance
- Easy protocol

### Product Component

#### Human Fibroblast Reprogramming Kit-I

- Cat# ST01003-S1 0.2% Gelatin (50ml)
- Cat# ST01003-S2/BM Fibroblast Growth Basal Medium (225ml)
- Cat# ST01003-S3 1x PBS (50ml)
- Cat# ST01003-S4 TrypLE (25ml)
- Cat# ST01003-S7 Non-Enzymatic Cell Dissociation Solution (100ml)
- Cat# ST01003-S8/BM Fibroblast Reprogramming Basal Medium (2x500ml)
- Cat# ST01003-S13 DMEM/F12 (60ml)

#### Human Fibroblast Reprogramming Kit-II

- Cat# ST01003-S2/S Fibroblast Growth Supplement (25ml)
- Cat# ST01003-S6 Polybreen (10µl)
- Cat# ST01003-S8/S Fibroblast Reprogramming Supplement (2x3.5ml)
- Cat# ST01003-S9 Matrix (5x100µl)
- Cat# ST01003-S10 Rock Inhibitor (500µl)
- Cat# ST01003-S14 Fibroblast Cryopreservation Solution (15ml)
- Cat# ST01003-S15 Serum-Free Cryopreservation Solution for hPSC (20ml)

#### Human Fibroblast Reprogramming Kit-III

- Cat# ST01003-S11-24 Cell Culture Plates (1x24 well)
- Cat# ST01003-S11-12 Cell Culture Plates (1x12 well)
- Cat# ST01003-S11-6 Cell Culture Plates (4x6 well)
- Cat# ST01003-S12 Cell Counter Slides (3pcs)
- Cat# ST01003-S5 Trypan Blue (300µl)
- **Reprogramming Factors (Not supplied)**

Note: Sendai virus reprogramming factors from Life Technologies Inc is strongly recommended, Cat # A16517

### Ordering Information

Catalog No.  
ST01003

Description  
Human Fibroblast (hFIB) Reprogramming Kit

Pack Size  
5 reactions/kit

### Description

Stemmera™ Human Fibroblast (hFIB) Reprogramming Kit is a ready-to-use and fully chemically defined reprogramming kit which composed of necessary reagents and tools intended for generation of human induced pluripotent stem cells (iPSCs) from fibroblast and maintenance of iPSCs under completely serum-free and feeder-free conditions.

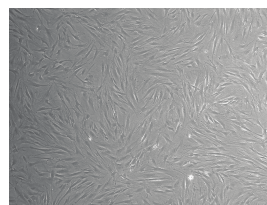
### Storage & Handling

Store all components as directed in manual instruction upon arrival and until the expiration dates stated on the product label. Avoid multiple freeze/thaw cycles. Make aliquot of complete medium for daily use, avoid warm up cycles. Protect from light is preferred.

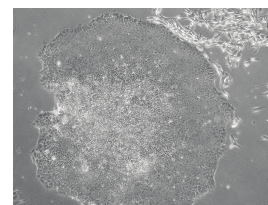
### Product Use

This product is intended for *in vitro* use and research use only. Not intended for human or animal diagnostic or therapeutic uses.

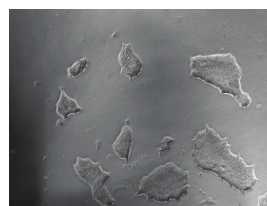
### Quality Control



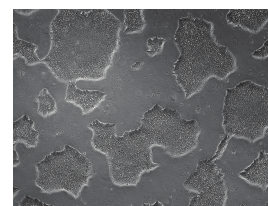
Human fibroblast before reprogramming



Human iPSC colony on day 26 of reprogramming before picking



Human iPSCs on day 4 after picking



Reprogrammed Human iPSCs at passage 5

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