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AVANTBIO

HFSdaFREE KIT™

Chemically Defined Animal Origin-free Cell Culture for Human Dermal Fibroblasts

A Proprietary, 3-Component, Chemically-Defined Animal Origin-Free (cdAOF) Cell Culture Supplement System for Human Dermal Fibroblasts, Corneal Fibroblasts and Other Mesenchymal Cells

HFSdaFREE™
5 mls 100x Sterile Concentrate
Store at -20 degrees C. Thaw at Room Temp
Avoid Contact of Ingestion. For R&D Use Only.
Consult Product Insert for Proper Usage & Handling.
PRODUCT AVBP-011

HFGE™
Human Fibroblast Growth Enhancer
0.5 mis 1000X
Sterile Concentrate
Store Below 8'C
For R&D Use Only
Avoid Contact or Ingestion
Product AVBP-010

HFGE2™
Human Fibroblast Growth Enhancer
1 ml 500x
Sterile Conecentrate
Store at -20'C
For R&D Use Only
Avoid Conatact or Ingestion
Product AVBP-040



Key Features

Kit components supplement 500mls of fully supplemented media at 1x

Chemically Defined
Chemically Defined and 100% animal/ human origin-free (cdAOF) cell culture media for regenerative medicine and other applications

Exceptional Primary & Post-Primary Serial Propagation of Human Fibroblasts
Promotes the efficient primary isolation & serial propagation of human corneal fibroblasts as well as the propagation of human hair follicle dermal papilla cells

High Reproducibility
Promotes high reproducibility and lot-to-lot consistency

Reduced Risk & Broader Use
Lessens the clinical risk of animal/human component originated adverse events, that include the transfer of animal-originated zoonotic pathogens (e.g., mad cow/BSE, viruses) to humans, as well as inflammatory (allergic) reactions to animal-derived cell culture media components

Product Specification:

HFSdaFREE KIT: product no. AVB02HFS, a 3-component kit

AvantBio Kit product components are: HFSdaFREE (product no. AVBP-011), HFGE (product no. AVBP-010) and HFGE2 (product no. AVBP-040)

HFSdaFREE is a 5 ml Volume, 100X concentrated supplement. Sterilized by 0.8 and 0.2 uM filtration

HFGE is a 0.5 ml Volume, 1000X concentrated supplement. Sterilize by 0.8 and 0.2 uM filtration

HFGE2 is a 1 mL ml Volume, 500X concentrated supplement. Sterilized by 0.8 and 0.2 uM filtration

Shipped at -78' C (on dry ice) and stored frozen at -20' C or lower

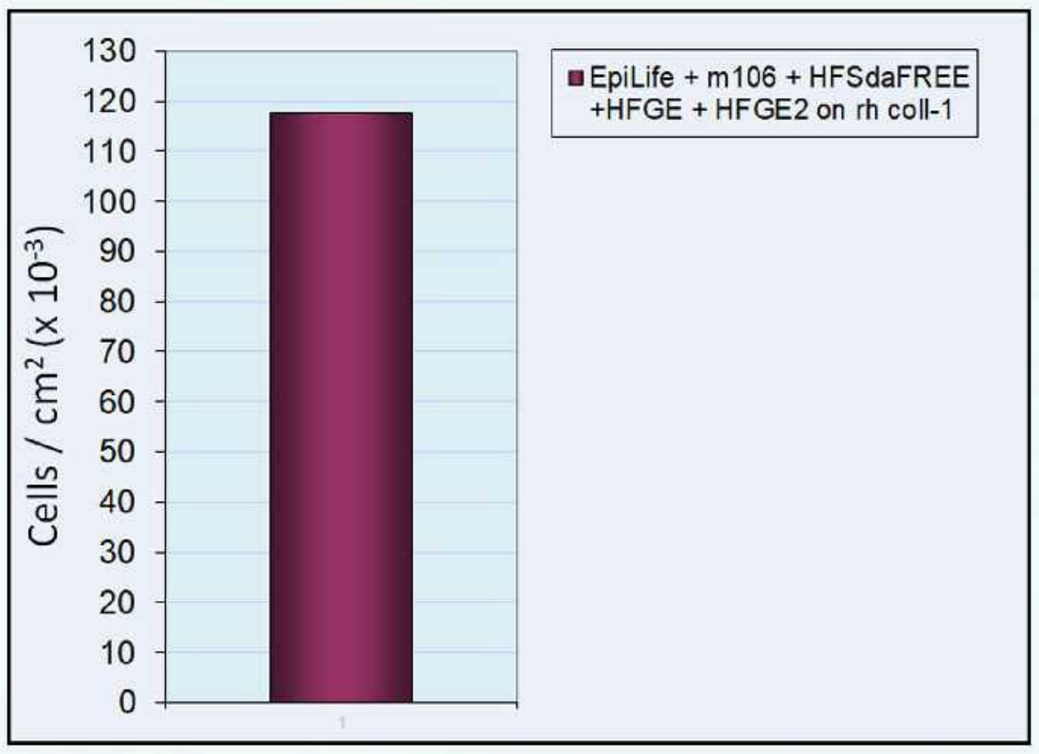
Shelf life is 18 months from date of manufacture (DOM), when stored at -20'C or lower

For laboratory R&D use only. Not to be used for therapeutic or diagnostic purposes in humans or animals. Use good laboratory practices when handling. Please review our "Limited Use", "Product Use" and "SDS" documents

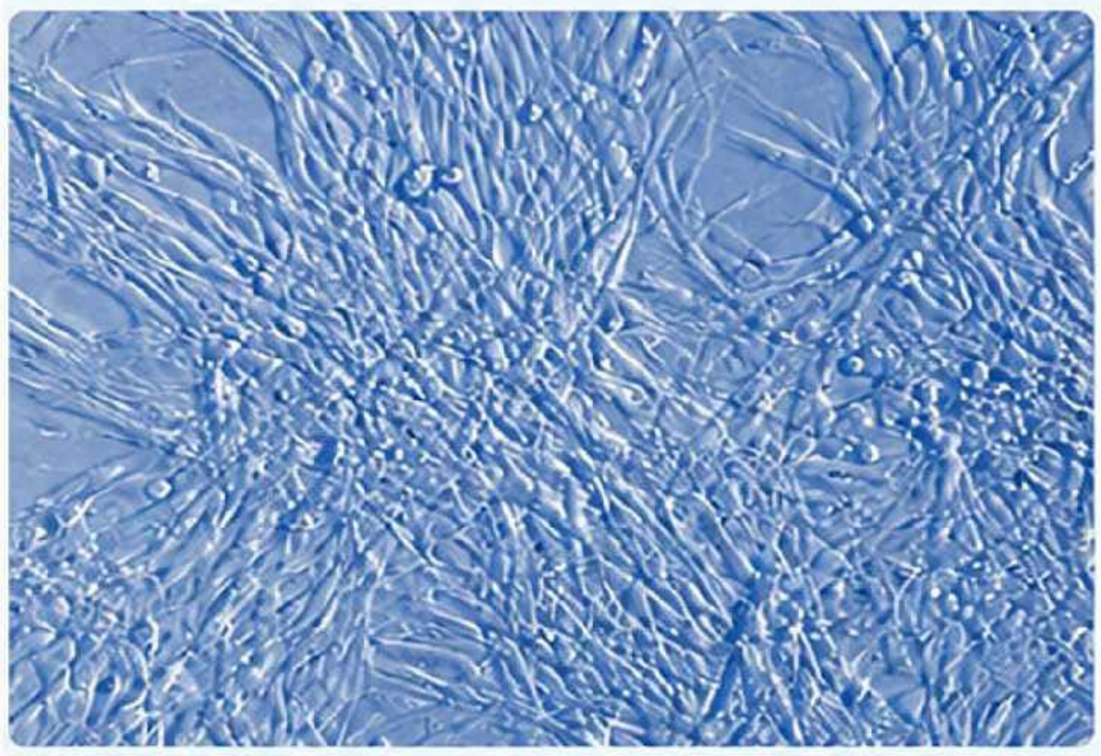
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HFSdaFREE KIT Performance Under Chemically-defined Animal Origin-free (cdAOF) Cell Culture Conditions: *Adult Human Dermal Fibroblasts*

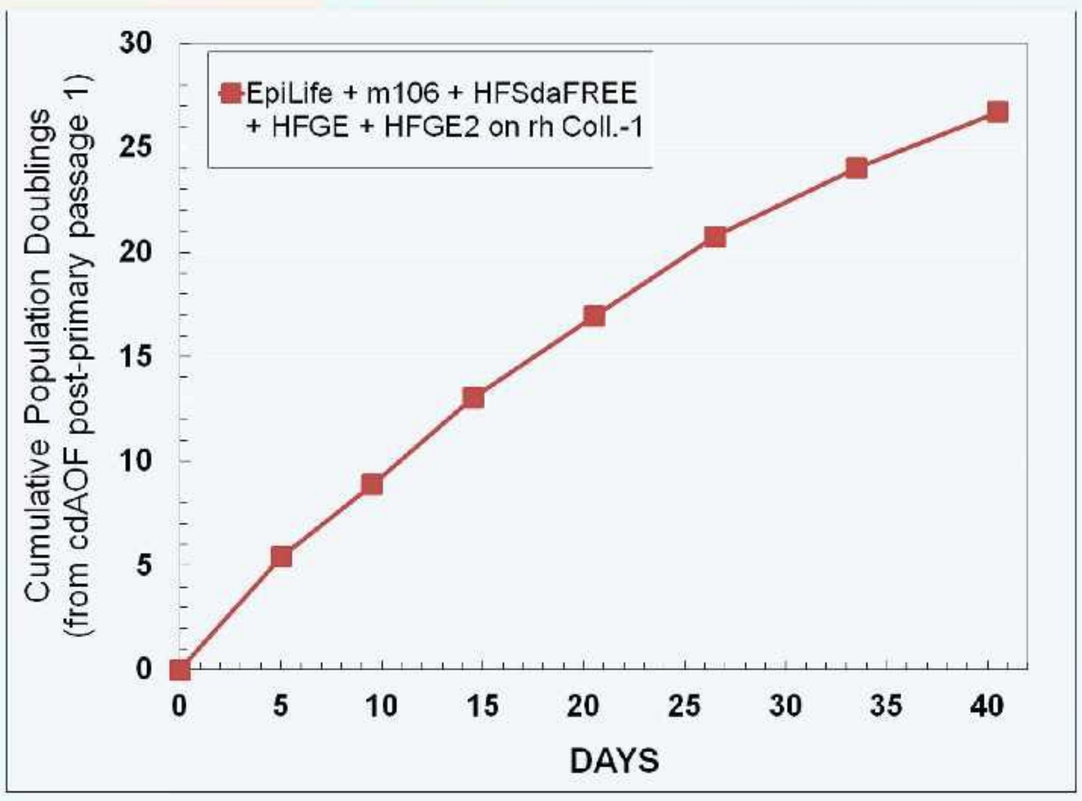
Human Fibroblast Cell Density After 12 Days of Primary Dermal Cell Culture Under cdAOF Conditions



Photomicrograph of Human Fibroblasts After 12 Days of Primary Dermal Cell Culture Under cdAOF Conditions



40-day, Post-primary Serial Passage of Human Dermal Fibroblasts Under cdAOF Cell Culture Conditions



For technical support, product information, ordering or new business development inquiries, please contact us at:
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Email: info@avantbio.com | Web: www.avantbio.com

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