



## Asia Hepato Gene Co. Product Datasheet

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### Multiple growth factors (adipose stem cells secrete) 脂肪幹細胞 多重生長因子

健康脂肪幹細胞將它置在無血清培養基 2-3 天。收集經調理的培養基，透過離心和 0.22 微米針筒過濾，移除細胞和雜質。脂肪幹細胞會分泌多種生長因子，如 EGF、FGF4、IGFBP1、IGFBP2、IGFBP3、IGFBP4、IGFBP5、G-CSF、GM-CSF、IGF-III、MCSF、PDGF、TGF- $\beta$ 1、VEGF、bFGF、bFGFR、KGF、HGF 和 cytokine 及 interleukin。脂肪幹細胞因子使肌膚再生能力很大，長期儲存中相對穩定，安全問題較少。肌膚光老化的患者，塗抹經調理的培養基，具美白效果，能改善膚色及黃褐斑，刺激膠原蛋白合成。臨床上將脂肪幹細胞因子應用到毛髮再生，增加頭髮濃度和增加某些毛髮損失的期限。

#### 產品規格：

品名：多重生長因子  
來源：脂肪幹細胞  
包裝：100ml (含 100mg 多重生長因子)  
用法：1-100 倍稀釋

#### 注意事項：

1. 溫度 45°C 以下
2. 避免與植物萃取液內含生物鹼等原料直接混合
3. 避免與釋放甲醛的防腐劑合用

#### 參考資料：

烧伤学临床新视野/：烧伤休克、感染、营养、修复与整复 清华大学出版社

Culture healthy fat stem cells for 2-3 days in serum-free medium. The medium was collected, centrifuged, and through a 0.22 micron syringe filter to remove cells and impurities. Adipose stem cells secrete various growth factors, such as EGF, FGF4, IGFBP1, IGFBP2, IGFBP3, IGFBP4, IGFBP5, G-CSF, GM-CSF, IGF-III, MCSF, PDGF, TGF- $\beta$ 1, VEGF, bFGF, bFGFR, KGF, HGF and cytokine and interleukin. Adipose stem cell factor skin regeneration great, relatively stable long-term storage, the less security issues. Patients with skin photoaging, smear the conditioned medium, with whitening effect, can improve the complexion and melasma, stimulate collagen synthesis. Clinical adipose stem cell factor will be applied to the hair regeneration, increase hair density and hair loss to increase certain deadline.

#### Product Specifications:

Product Name: Multiple growth factors  
Source: adipose stem cells  
Package: 100ml (containing 100mg of multiple growth factor)  
Usage: 1-100-fold dilution

#### Note:

- 1 temperature below 45 °C
- 2 avoid direct mixing plant extracts containing alkaloids
- 3 avoid release formaldehyde preservatives