

Isolation and Culture of Primary Human Mammary Epithelial Cells

Linfeng Qian^{*1}, Jiayi Yan^{*1}, Shiqi Chen¹, Maryam Mohanmmmed Abbas Karekad², Yue Wu^{3,4}, Xunwei Wu⁵, Xiaohong Xu^{3,4}, Xiaoqun Zhang^{6,7}

¹The First Clinical Medical College of Zhejiang Chinese Medical University ²The International Education College of Zhejiang Chinese Medical University ³Department of Breast Surgery, The First Affiliated Hospital of Zhejiang Chinese Medical University (Zhejiang Provincial Hospital of Traditional Chinese Medicine) ⁴Bozhou District Hospital of Traditional Chinese Medicine ⁵Engineering Laboratory for Biomaterials and Tissue Regeneration, Ningbo Stomatology Hospital, Ningbo, China and Savaid Stomatology School, Hangzhou Medical College ⁶Department of Surgery, Kaihua District, The First Affiliated Hospital of Zhejiang Chinese Medical University (Zhejiang Provincial Hospital of Traditional Chinese Medicine) ⁷Kaihua County Hospital of Traditional Chinese Medicine

*These authors contributed equally

Corresponding Authors

Xiaohong Xu
20163329@zcmu.edu.cn

Xiaoqun Zhang
Khzxq333@163.com

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Materials

| Name | Company | Catalog Number | Comments |
|------------------------------|-------------------|----------------|--|
| 0.05% Trypsin | Basalmedia | K431010 | For HMECs dissociation |
| 1.5 mL microcentrifuge Tubes | NEST | 081722CK01 | For cell digestion |
| 100 µm mesh filter | Solarbio | 431752 | For HMECs filtration |
| 100 mm Cell Culture Dish | Corning | 430167 | For cell culture |
| 4% paraformaldehyde | solarbio | P1110-100ml | For immunofluorescence staining to check differentiation marker of HMECs |
| 50 mL Centrifuge Tube | Corning | 430829 | For cell centrifugation |
| Cell Strainer | Solarbio | 431752 | Cell filtration |
| Centrifuge | Eppendorf | 5404HN133048 | Cell centrifuge |
| CO ₂ Incubator | Thermo Scientific | 42820906 | For cell incubation |
| Collagenase Type I | Merck | SKU:SCR103 | For HMECs isolation |
| Dispase | Solarbio | CAS:42613-33-2 | For HMECs isolation |
| DMEM | Gibco | 8122622 | Component of neutralization medium |
| Fetal Bovine Serum | Gibco | 2556132P | Component of neutralization medium |
| Penicillin/Streptomycin | Thermo Scientific | 15140-122 | Antibiotics |
| Phosphate buffered solution | Tecono | 20201033 | Washing solution |
| rabbit anti CK7 | abcam | ab68459 | For immunofluorescence staining to check differentiation marker of HMECs |
| rabbit anti GATA3 | abcam | ab199428 | For immunofluorescence staining to check differentiation marker of HMECs |

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|---------|----------|--------|----------------|
| Y-27632 | Solarbio | IY0040 | ROCK inhibitor |
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