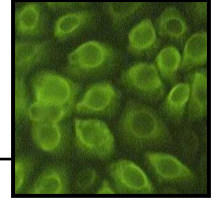


Clonetics™ Mammary Epithelial Cell Systems

HMEC



Introduction

Clonetics™ Mammary Epithelial Cell Systems contain Normal Human Mammary Epithelial Cells (HMEC) and optimized media for their growth. Each System can quickly generate HMEC cultures for experimental applications in cancer research, physiology, cellular function and differentiation. Clonetics™ Mammary Epithelial Cell Systems are convenient and easy to use, allowing the researcher to focus on results. Cryopreserved HMEC are shipped in sixth or seventh passage. Proliferating HMEC are shipped in seventh, eighth or ninth passage.

Clonetics™ Cells, Medium and Reagents are quality tested together and guaranteed to give optimum performance as a complete Cell System.

Cell System Components (Need to be purchased separately)

- One Mammary Epithelial Cell Product (Cryopreserved or Proliferating)
- One Mammary Epithelial Cell Medium BulletKit™ - 500 ml
- Clonetics™ MEGM™ BulletKit™ (CC-3150) contains one 500 ml bottle of Mammary Epithelial Cell Basal Medium and the following growth supplements: BPE, 2 ml; hEGF, 0.5 ml; Hydrocortisone, 0.5, 0.5 ml; GA-1000, 0.5 ml; Insulin, 0.5 ml.
- One ReagentPack™ (CC-5034) Containing:

| | |
|--------------------------------|--------|
| Trypsin/EDTA | 100 ml |
| Trypsin Neutralizing Solution | 100 ml |
| HEPES Buffered Saline Solution | 100 ml |

Characterization of Cells

Routine characterization of HMEC includes immunofluorescent staining. HMEC stain test positive for cytokeratins 14 and 18 and negative for cytokeratin 19.

Performance

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|--|-----------------------------|
| Recommended Seeding Density | 2,500 cells/cm ² |
| Typical time from subculture to confluent monolayer | 5 - 9 days |
| Additional population doublings guaranteed using Clonetics™ System | 15 |

Quality Control

HIV-1, Hepatitis B and Hepatitis C are not detected for all donors and/or cell lots. All cells are performance assayed and test negative mycoplasma, bacteria, yeast and fungi. Cell viability, morphology and proliferative capacity are measured after recovery from cryopreservation. Clonetics™ Media are optimized to grow specific types of normal human cells. A Certificates of Analysis (COA) for each lot of cryopreserved cells is shipped with each order. COAs for all other products are available upon request.



Ordering Information

Cryopreserved Cells

CC-2551 HMEC ≥500,000 cells

Proliferating Cells – Flasks and Multiwell Plates

CC-2651 T-25 Flask

CC-0228 T-75 Flask

CC-0140 96-well Plate

Other proliferating formats are available. Contact Scientific Support or refer to the Lonza website for details.

CC-3051 MEGM™, Mammary Epithelial Cell Growth Medium 500 ml

CC-3150 MEGM™ BulletKit™, MEBM™ plus SingleQuots™ of Growth Supplements 500 ml

CC-3151 MEBM™, Mammary Epithelial Basal Medium 500 ml

CC-3152 MEBM™-SBF, Mammary Epithelial Cell Basal Medium, w/o Sodium Bicarbonate 500 ml

CC-3153 MEBM™-PRF, Mammary Epithelial Cell Basal Medium, w/o Phenol Red 500 ml

CC-4136 MEGM™ SingleQuots™, Formulates MEBM™ to MEGM™

CC-5034 ReagentPack™
Trypsin Neutralizing Solution 100 ml
Trypsin/EDTA Solution 100 ml
HEPES Buffered Saline Solution 100 ml

When placing an order or for technical service, please refer to the product numbers and descriptions listed above. For a complete listing of all Clonetics™ Products, refer to the Lonza website or the current Lonza catalog. To obtain a catalog, additional information or technical service you may contact Lonza by web, e-mail, telephone, fax or mail.

Product Warranty

CULTURES HAVE A FINITE LIFESPAN IN VITRO. Lonza guarantees the performance of its cells only if Clonetics™ Media and Reagents are used exclusively, and the recommend protocols are followed. The performance of cells is not guaranteed if any modifications are made to the complete Cell System. Cryopreserved HMEC are assured to be

viable and functional when thawed and maintained properly.

THESE PRODUCTS ARE FOR RESEARCH USE ONLY. Not approved for human or veterinary use, for application to humans or animals, or for use in clinical or in vitro procedures.

WARNING: CLONETICS™ AND POIETICS™ PRODUCTS CONTAIN HUMAN SOURCE MATERIAL, TREAT AS POTENTIALLY INFECTIOUS. Each donor is tested and found non-reactive by an FDA approved method for the presence of HIV-1, Hepatitis B Virus and Hepatitis C Virus. Where donor testing is not possible, cell products are tested for the presence of viral nucleic acid from HIV, Hepatitis B Virus, and Hepatitis C Virus. Testing can not offer complete assurance that HIV-1, Hepatitis B Virus, and Hepatitis C Virus are absent. All human sourced products should be handled at the Biological Safety Level 2 to minimize exposure of potentially infectious products, as recommended in the CDC-NIH Manual, [Biosafety in Microbiological and Biomedical Laboratories](#), 5th Edition. If you require further information, please contact your site Safety Officer or Scientific Support.