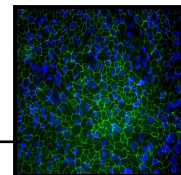


## Clonetics™ Human Retinal Pigment Epithelial Cell Systems H-RPE



### Introduction

Clonetics™ Human Retinal Pigment Epithelial Cell Systems contain Normal Human Retinal Pigment Epithelial Cells (H-RPE) and optimized media for their growth. Each System can quickly generate H-RPE cultures for experimental applications in the field of Ophthalmology. Clonetics™ Human Retinal Pigment Epithelial Cell Systems are convenient and easy to use, allowing the researcher to focus on results. Cryopreserved H-RPE are frozen in second passage. Proliferating H-RPE are also available upon request and are shipped in third or fourth 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 Human Retinal Pigment Epithelial Cell Product (Cryopreserved or Proliferating)
- One Retinal Pigment Epithelial Cell Medium BulletKit™ - 200 ml  
Clonetics™ RtEGM™ BulletKit™ (00195409) contains one 200 ml bottle of Retinal Pigment Epithelial Cell Basal Medium and the following growth supplements: L-glutamine, 4 ml; FBS, 4 ml, FGF-B, 1 ml and GA-1000, 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 H-RPE cells includes morphological observation throughout serial passages.

### Performance

Recommended seeding density for subculture	10,000 cells/cm <sup>2</sup>
Typical time from subculture to confluent monolayer	5-7 days
Additional population doublings guaranteed using Clonetics™ Media System	5

### Quality Control

All cells are performance assayed and test negative for HIV-1, mycoplasma, Hepatitis-B, Hepatitis-C, bacteria, yeast and fungi. Cell viability, morphology and proliferative capacity are measured after recovery from cryopreservation. Clonetics™ Media are formulated for optimal growth of specific types of normal human cells. A Certificates of Analysis (COA) for each cell strain are shipped with each order. COAs for all other products are available upon request.

### Ordering Information

#### Cryopreserved Cells

00194987	H-RPE	≥500,000 cells
Proliferating Cells – Flasks and Multiwell Plates are available upon request. Contact Scientific Support for details.		
00195409	RtEGM™ BulletKit™	Kit which contains a 200 ml bottle of RtEBM™ (00195406) and RtEGM™ SingleQuots™ (00195407).

00195406	RtEBM™	Retinal pigment Epithelial Basal Medium (no growth factors) (200 ml)	
00195407	RtEGM™ SingleQuots™	Supplements (FBS, L-glutamine, hFGF, GA-1000)	
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 H-RPE 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](#), 5<sup>th</sup> Edition. If you require further information, please contact your site Safety Officer or Scientific Support.