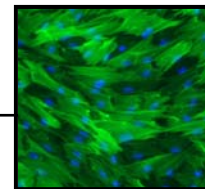


## Clonetics™ Intestinal Myofibroblast Cell Systems

InMyoFib



### Introduction

Clonetics™ Intestinal Myofibroblast Cell Systems contain Fetal Normal Human Intestinal Myofibroblasts (InMyoFib) and optimized media for their growth. Intestinal sub-epithelial myofibroblasts are located in the lamina propria under the epithelial cells. They play fundamental role in growth and development of intestine, immunology, inflammation, fibrosis, water and electrolyte transport, contraction and wound healing. Intestinal Myofibroblast Cell Systems are convenient and easy to use, allowing the researcher to focus on results. Cryopreserved InMyoFib are shipped in second 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 Intestinal Myofibroblast Cell Product (Cryopreserved or proliferating)  
 One Smooth Muscle Cell Medium BulletKit™ - contains one 500 ml bottle of Smooth Muscle Cell Basal Medium and the following growth supplements: Insulin, 0.5 ml; hFGF-B, 1 ml; hEGF, 0.5 ml; FBS, 25 ml; 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 InMyoFib includes immunofluorescent staining. Cells stain positive for alpha smooth muscle actin and less than 10% positive for Desmin following cell differentiation.

### Performance

Recommended seeding density for subculture	2,500 cells/cm <sup>2</sup>
Typical time from subculture to confluent monolayer	4 - 8 days
Additional population doublings guaranteed using Clonetics™ System	15

### 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. Each lot of medium is tested for the support of cell viability and proliferative capacity. A Certificate of Analysis (COA) for each lot is shipped with each order. COA's for all other products are available upon request.

### Ordering Information

#### Cryopreserved Cells

CC-2902 InMyoFib ≥ 500,000 cells

Proliferating formats are also available for purchase by calling Customer Service.

CC-3182	SmGM-2 BulletKit™, SmBM™ plus SingleQuots™ of growth supplements	Kit
CC-3181	SmBM™, Smooth Muscle Cell Basal Medium	500 ml
CC-4149	SmGM™-2 SingleQuots™, Formulates SmBM™ to SmGM™-2	Kit
CC-5034	ReagentPack™, contains 100 ml each of Trypsin/EDTA, Trypsin Neutralizing Solution and HEPES Buffered Saline Solution	Kit

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 InMyoFib 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.