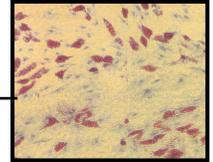


## Poietics™ Visceral Preadipocyte Cells & Media

### PrAD-vis



### Introduction

Poietics™ Human Visceral Preadipocytes are precursor cells, isolated from visceral/abdominal tissue (kidney and bladder), that develop into adipocytes when fully differentiated and are characterized by accumulation of intracellular triglycerides. The Visceral Preadipocyte Cell System contains Normal Human Visceral Preadipocytes or Human Visceral Preadipocytes from Diabetic Donors and differentiation medium conveniently designed for use in 96-well plates to conduct research on lipid accumulation and metabolism, obesity, insulin sensitivity, diabetes and diet drugs. Visceral Preadipocytes are shipped frozen. We also offer AdipoRed™ as an assay reagent for quantification of intracellular lipid droplets. AdipoRed™, when partitioned in a hydrophobic environment, becomes fluorescent and can be easily measured in a high-throughput manner.

Poietics™ Cells, Medium and Reagents are quality tested together and guaranteed to give optimum performance as a complete Cell System. The cell system is convenient and easy to use, allowing the researcher to focus on results.

### Cell System Components (Need to be purchased separately)

- One Visceral Preadipocyte Cell Product (Cryopreserved)
- One Preadipocyte Cell Medium BulletKit™ - 500 ml  
 Poietics™ PGM™-2 BulletKit™ (PT-8002) contains one 500 ml bottle of Preadipocyte Basal Medium-2 and the following growth supplements: Indomethacin, 0.4 ml; 3-Isobutyl-1-methylxanthine, 0.2 ml; Dexamethasone, 0.2 ml; Insulin, 2 ml; L-Glutamine, 5 ml; FBS, 50 ml; GA-1000, 0.5 ml.
- AdipoRed™ Cytoplasmic Triglyceride Accumulation Assay

### Characterization of Cells

PrAD-vis are characterized morphologically at day 10, using AdipoRed™ (PT-7009).

### Performance

Recommended seeding density for subculture 96-well plates- 10,000 cells per well  
 Typical time from seeding to differentiated monolayer 10 - 12 days

### Quality Control

Cell viability, morphology and proliferative capacity are measured after recovery from cryopreservation. Poietics™ Media are formulated for optimal growth of specific types of normal human cells. Certificates of Analysis (COA) for each cell strain are shipped with each order. Donor information is provided on the COA. BMI data is also available upon request. COA's for all other products are available upon request.

### Ordering Information

|         |  |                   |
|---------|--|-------------------|
| PT-5005 | HPrAD-vis, Visceral Preadipocytes                    | ≥ 1,000,000 cells |
| PT-5023 | HPrAD-vis, Visceral Preadipocytes (Diabetes Type I)  | ≥ 1,000,000 cells |
| PT-5024 | HPrAD-vis, Visceral Preadipocytes (Diabetes Type II) | ≥ 1,000,000 cells |
| PT-8002 | PGM™-2 BulletKit™                                    |                   |
| PT-8202 | PBM-2, Preadipocyte Basal Medium-2                   | 500 ml            |
| PT-9502 | PGM™-2 SingleQuots™                                  |                   |
|         | Indomethacin   | 0.4 ml            |
|         | 3-Isobutyl-1-methylxanthine                          | 0.2 ml            |
|         | Dexamethasone  | 0.2 ml            |
|         | Insulin  | 2 ml              |
|         | L-glutamine  | 5 ml              |

|         |  |            |
|---------|--|------------|
|         | FBS  | 50 ml      |
|         | GA-1000  | 0.5 ml     |
| PT-7009 | AdipoRed™<br>Cytoplasmic<br>Triglyceride<br>Accumulation Assay | 5 x 4.0 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 Poietics™ 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 Poietics™ Media and Reagents are used exclusively, and the recommended protocols are followed. The performance of cells is not guaranteed if any modifications are made to the complete Cell System. Cryopreserved Visceral Preadipocyte cells 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.