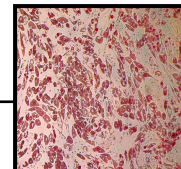


Poietics™ Human Preadipocyte Cryoplate



Introduction

Poietics™ Subcutaneous Preadipocytes are precursor cells, isolated from subcutaneous adipose tissue by enzymatic digestion and selective culturing techniques that develop into adipocytes when fully differentiated and are characterized by accumulation of intracellular triglycerides. 96-well culture plates are seeded at 10,000 cells per well with pre-qualified passage 1 Cryopreserved Primary Human Subcutaneous Preadipocytes to conduct research on lipid accumulation and metabolism, obesity, insulin sensitivity, diabetes and diet drugs. The cells are allowed to attach and then cryopreserved with an overlay of a proprietary cryoprotective agent.

We also offer the AdipoRed™ Assay Reagent for quantification of intracellular lipid droplets. AdipoRed™ Assay, 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 Human Preadipocyte Cryoplate
- One Preadipocyte Cell Medium-2 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

Human Preadipocyte Cryoplates are characterized morphologically on day 10-12 using AdipoRed™ (PT-7009).

Performance

Typical time from seeding 10 - 12 days to differentiated monolayer

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 Cryoplate are shipped with each order. Donor information and BMI data is also available upon request. COA's for all other products are available upon request.

Ordering Information

00190953	Preadipocyte Cryoplate (Subcutaneous)	1 x 96-well plate
PT-8002	PGM™-2 BulletKit™	Kit which contains a 500 ml bottle of PBM-2, (PT-8202) and PGM™-2 SingleQuots™ (PT-9502).
PT-8202	PBM-2	Preadipocyte Basal Medium-2 (no growth factors) (500 ml)
PT-9502	PGM™-2 SingleQuots™	Supplements and growth factors (FBS, L-glutamine, GA-1000, Insulin, Dexamethasone, Indomethacin, IBMX)
PT-7009	AdipoRed™ Test Kit	5 x 4.0 ml

17-512F DPBS 500 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. Preadipocyte Cryoplate (subcutaneous 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](#), 5th Edition. If you require further information, please contact your site Safety Officer or Scientific Support.