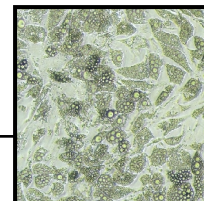


## Poietics™ Subcutaneous Preadipocyte Cell System

### PrAD-sq



### Introduction

Poietics™ Subcutaneous Preadipocytes are precursor cells, isolated from subcutaneous fat, that develop into adipocytes when fully differentiated and are characterized by accumulation of intracellular triglycerides. The Subcutaneous Preadipocyte Cell System contains Normal Human Subcutaneous Preadipocytes or Human Subcutaneous 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. Subcutaneous 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 Subcutaneous 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

Subcutaneous Preadipocytes 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-5020	HPrAD-sq, Subcutaneous Preadipocytes	≥ 1,000,000 cells
PT-5001	HPrAD-sq, Subcutaneous Preadipocytes	≥ 4,000,000 cells
PT-5021	HPrAD-sq, Subcutaneous Preadipocytes (Diabetes Type I)	≥ 1,000,000 cells
PT-5022	HPrAD-sq, Subcutaneous 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™ Cytoplasmic Triglyceride 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 Subcutaneous 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.