



Cell Applications, Inc. advantage:

- High purity and low passage
- Rigorous quality control
- Cells from a variety of tissues & species
- Matched sets from the same donor
- Maximum flexibility
- Custom services
- Ready-to-use Total Kits

14 published studies on:

- Cellular basis of diabetes and obesity
- Estrogen in postmenopausal breast cancer
- Epigenetic modifications in iPS reprogramming
- Mechanisms of adipogenesis
- Development of insulin resistance
- Differentiation of preadipocytes
- Adipocytokines in pregnancy
- Drug discovery

Human pre-Adipocytes (HPAd)

We provide primary Preadipocytes derived from human subcutaneous adipose tissue at various sites and adipose depot on the heart. Complete differentiation can be easily achieved through the use of Adipocyte Differentiation Medium (Cell Applications, Inc.).

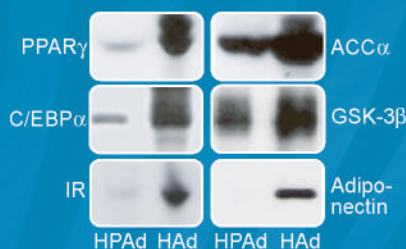
- Pre-Adipocytes, subcutaneous
- Pre-Adipocytes, visceral
- Pre-Adipocytes, subcutaneous, pre-screened
- Pre-Adipocytes, visceral, pre-screened

Mature Human Adipocytes (HAd)

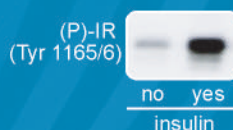
We provide mature Human Adipocytes differentiated from HPAd. Mature HAd are expected to remain healthy and responsive for at least 2 weeks after complete differentiation. Mature HAd are expected to remain healthy and responsive for at least 2 weeks after complete differentiation.

- Adipocytes, subcutaneous
- Adipocytes, visceral

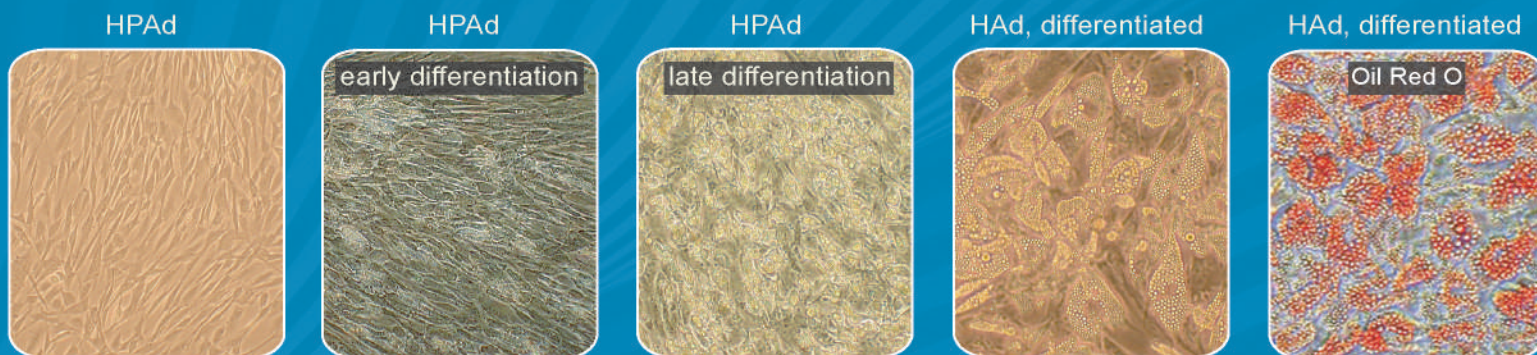
Pre-screened human adipocytes



At Cell Applications, Inc. select lots of HPAd are differentiated and tested for the expression of key biomarkers and response to insulin. Compared to pre-adipocytes, differentiated HAd express higher levels of PPAR γ , C/EBP α , IR, ACC α , GSK-3 β and adiponectin.



Insulin is critical for adipocyte differentiation and serves as a key metabolic regulator. Pre-screened differentiated adipocytes respond strongly to insulin stimulation.



ORDER TODAY!