Preadipocyte Isolation kit ab196988

**Overview**

**Product name**
Product name: Preadipocyte Isolation kit

**Sample type**
Sample type: Tissue

**Species reactivity**
- Reacts with: Mouse, Rat, Other species, Mammals
- Predicted to work with: Mammals

**Product overview**
Preadipocyte Isolation kit (ab196988) provides the reagents and tools to isolate the stromal vascular fraction from adipose tissue. The resulting stromal vascular fraction is cultured on a tissue culture plate, to which the preadipocytes adhere. The preadipocytes retain the ability to proliferate and differentiate into adipocytes when treated with differentiation-inducing components. The preadipocytes can be used to study the process of adipogenesis, while the differentiated adipocytes can be used to study lipolysis, endocrine activity, cell-signaling and metabolic dysfunction.

**Properties**

**Storage instructions**
Store at -20°C. Please refer to protocols.

<table>
<thead>
<tr>
<th>Components</th>
<th>Identifier</th>
<th>5 g</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cell Strainer (100 μm)</td>
<td></td>
<td>10 units</td>
</tr>
<tr>
<td>Cell Strainer (70 μm)</td>
<td></td>
<td>10 units</td>
</tr>
<tr>
<td>Collagenase</td>
<td>NM, blue</td>
<td>1 x 10ml</td>
</tr>
<tr>
<td>Collagenase Stop Buffer</td>
<td>NM</td>
<td>1 x 90ml</td>
</tr>
<tr>
<td>PBS</td>
<td></td>
<td>1 x 90ml</td>
</tr>
<tr>
<td>Red Blood Cell Lysis Buffer</td>
<td></td>
<td>1 x 10ml</td>
</tr>
</tbody>
</table>

**Images**
Preadipocytes from mouse adipose tissue after 4 days of culturing.

Adipocytes 7 days after differentiation from preadipocytes using a 3T3-L1 Differentiation Kit. Visible lipid droplets confirm the isolation of preadipocytes.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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