Serum starvation effects on human Islet-derived Precursor Cells - Study GBCO1770

Genomics Study Specifications

<table>
<thead>
<tr>
<th>Study Name</th>
<th>Serum starvation effects on human Islet-derived Precursor Cells</th>
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</thead>
<tbody>
<tr>
<td>Contact Name</td>
<td>Marvin Gershengorn (NIDDK Intramural)</td>
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<tr>
<td>Publication</td>
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</tr>
<tr>
<td>My Strategies</td>
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<tr>
<td>Classification</td>
<td>Cell differentiation; Differentiation of insulin-producing cells</td>
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<tr>
<td>Links</td>
<td>Biomaterials Graph, ArrayExpress</td>
</tr>
<tr>
<td>BCBC Release Date</td>
<td>July 05, 2005</td>
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<tr>
<td>Public Release Date</td>
<td>July 29, 2011</td>
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<td>Citation</td>
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Synopsis

This is an Affy experiment that was conducted on human derived pancreatic islet cells that were expanded in serum-containing medium to produce hIPC cells (human Islet-derived Precursor Cells). These cells, when subjected to 1 day of serum starvation, transition into hormone-expressing ICAs (Islet-like Cell Aggregates). In this experiment, proliferative hIPCs were trypsin-harvested and transferred in either serum-containing media (“C”) or serum-free media (“F”). After 24 hours, cells from both conditions were harvested and RNA was extracted. This experiment was meant to identify gene expression changes between hIPC early differentiation (condition F) and hIPC proliferation (condition C) with cells being in culture for the same amount of time. There were 3 replicates each for each of the two conditions, of which the 3rd was a pool of the first 2 replicates.

Platform types

| Platforms | Expression microarray, Expression |

Study Design Type

- growth_condition_design

Study Factors

- Show study factors

Study Assays

- Show study assays

Access to Study Data

This Study Data is publicly available to all users.

Gene List(s)

Use the following form(s) to refine the parameters and add the gene list to a strategy:

- hIPC cells cultured in serum-containing (C) vs serum-free (F) media
Genome Browser
There are no genome browser tracks currently available for this study.

Lists of Locations
There are no genomic location datasets currently available for this study.

Repositories
Stoeckert Lab
Stock #: Not provided
Availability Notes: Not provided

Comments
There are no comments for this entry.